

# **BiBus** II ED.

## **SYSTEM**

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**MT 124-013A**

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## PERFORMANCE

Suitable for small and medium door phone and video door phone installations, the Bibus 2nd Edition system is ideal for making new systems and modernising old ones.

The main characteristics of the system are:

- Door phone systems can be made using only two non-polarised wires. Video door phone systems can be made without coax cable using only six wires.
- The system manages both button and/or alphanumeric calling stations with electronic repertory (both main and secondary). Alphanumeric codes can contain letter prefixes (from A to J).
- K-Steel or Kombi, numeric or alphanumeric calling stations can be used (with the addition of dedicated alphabetic keyboard).
- Possibility of using two-row Ref. 725 and Aura push-button panels, where the door unit, digitiser and expansion boards can be inserted.
- The door unit and digitiser can be programmed by means of a programming adapter and external keyboard.
- Up to 18 buttons can be connected to the door unit with digitiser. Use expansion modules connected to the door unit by means of a flat wire to obtain a higher number of buttons.
- Up to 16 buttons can be connected to each expansion module. Up to four expansion modules can be connected to each door unit. Consequently, a total of 82 buttons can be managed.
- The system can manage up to 250 users.
- Conversation privacy does not require the addition of optional devices.

- The following Bibus 2nd Edition system timing features can be programmed by installer:

- Maximum off-hook waiting time: this is the time elapsing from when a call is made from a station and the called door phone handset is picked up; the system interrupts the call after this period of time; programmable from 10 to 40 seconds.
- Minimum conversation time: in systems with several calling stations, this is the minimum guaranteed time (programmable from 10 to 40 seconds) for a conversation with a calling station before it can be interrupted by other calls.
- Busy time: in systems with several calling stations, this is the time during which an external station (e.g. B) cannot make a call because another call or conversation is in progress at another station (e.g. A); this is the sum of the off-hook waiting time and the minimum conversation time.
- The maximum conversation time without other calls is 250 seconds.
- The electrical lock connected to the door unit or the calling module can be operated during the conversation. The lock operating time can be programmed. It is controlled by a relay for button calling units and by capacitance discharge for calling modules.
- The system generates courtesy tones for the door unit when a call is in progress.

- A concierge switchboard can be connected to the system to provide typical switchboard performance (e.g. day service, night service, off, unanswered call memory, etc.). A concierge door phone can also be fitted in the system offering the functions of a comfort door phone model (with the exception of calls to switchboard) and can receive calls from other apartment units.
- The switchboard can operate the door lock of all units, both when a call is in progress and when it is not.
- Video module Ref. 1732/1 equipped with bracket Ref. 1732/956 can be connected to the door phone (all modules) to create a video door phone unit.
- The video door phone is switched off with the voice signal for a maximum time of 180 seconds (if the video power unit timer trimmer is set to the maximum position).
- Door phone and video door phone floor calls can be managed with different tones.
- Up to three door phones can be connected in parallel to each user.
- Up to 250 names with an associated 4-digit door opener code (without time limitation) and up to eight 4-digit numeric door opener codes (disabled by the timer contact) can be programmed for each calling module.
- The staircase lights can be switched on and off by means of a special decoder operated by the door phones or the switchboard.
- Door open indication by means of LEDs on door phones/video door phones.

- Possibility of interfacing with a PABX switchboard via adapter.
- No multiple floor decoders are available at this time.
- The system is protected from static and pulse electromagnetic interference. All devices comply with CE directives in the matter of electromagnetic compatibility.

**Note:** Unlike Bibus 1st Edition systems, a univocal user code is provided so that the door phones **ONLY NEEDS TO BE PROGRAMMED ONCE**, also if the system includes several calling stations. Alternatively, the door phones can be programmed via the concierge switchboard.

## RETROFITTING BIBUS 1ST EDITION SYSTEMS

All Bibus 2nd Edition devices, except for coupler Ref. 1072/23 and concierge switchboard Ref. 1172/33, can be used in 1st Edition systems. The devices must be configured appropriately (either 1st Edition or 2nd Edition) in order to work correctly in the system. Consider the following:

1. The system must be configured as a 1st Edition system if it contains one or more 1st Edition devices.
2. The system must be programmed as a 2nd Edition system when all the devices in the system are 2nd Edition devices.

Refer to the various devices for programming instructions.

## SYSTEM TYPOLOGIES

Bibus 2nd Edition can be used to make the following types of system with main and secondary calling stations:

- Digital call door phone systems (with or without secondary stations).
- Digital call video door phone systems (with or without secondary stations).
- "In-out" video systems without distributor.
- Floor video distributor systems.
- Digital call door phone or video door phone systems with concierge switchboard and/or concierge door phone.

Bibus 2nd Edition systems can be used to construct systems with up to 12 total calling stations. Up to 10 secondary stations can be used. Bus couplers which separate the main side bus from the door phone side bus must be arranged between the main call stations and the single decoder phones. Any secondary call stations must be connected to the bus on door phone side.

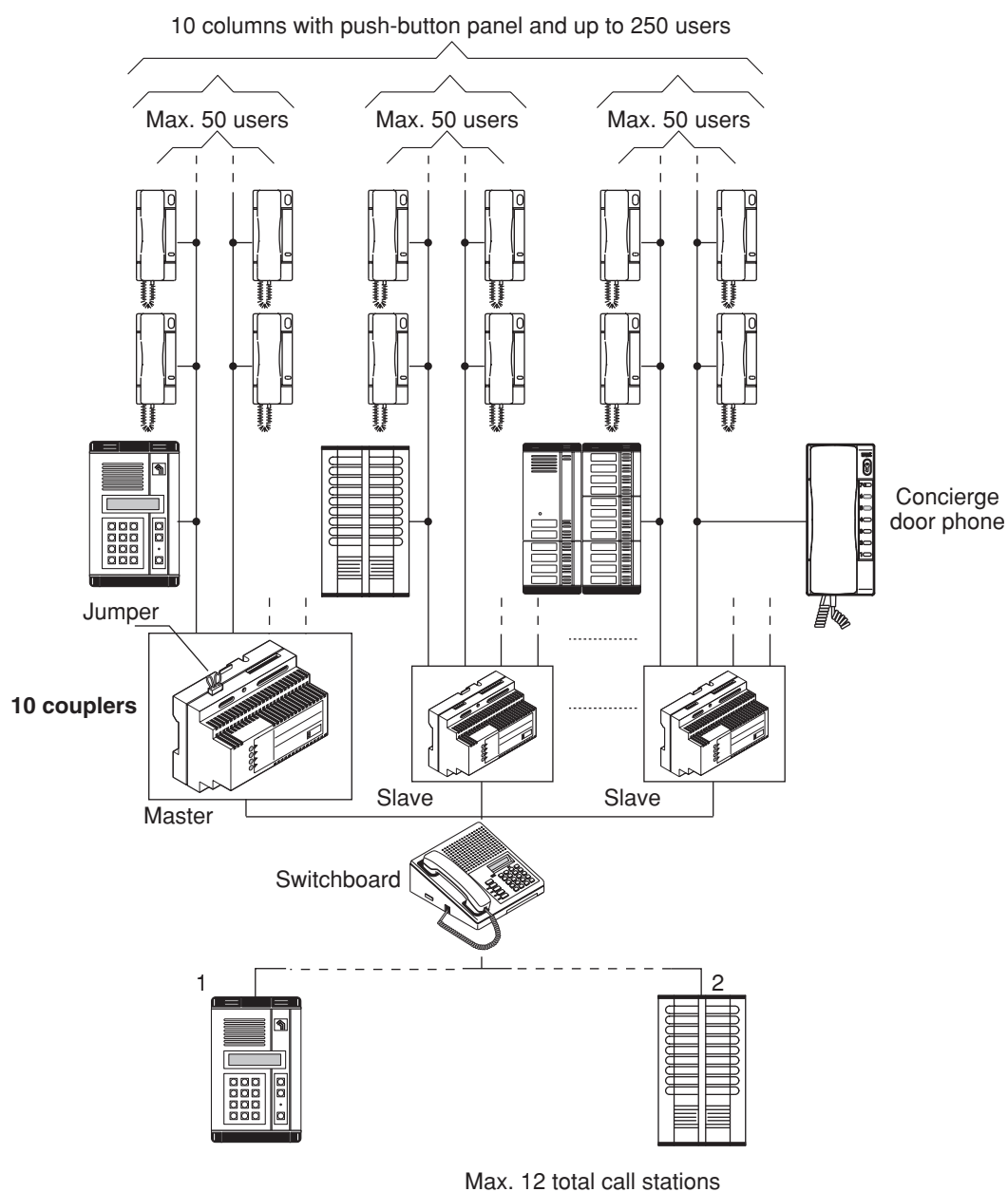
Up to 12 couplers can be connected to which up to 50 door phones can be connected. Up to 250 door phones can be connected in the system.

Each coupler divides the door phone side bus into four branches and can be cut off in the event of a failure concerning one or more spines. One only master coupler which powers the main push-button panel side bus must be defined in the system (by inserting a jumper in the corresponding connector).

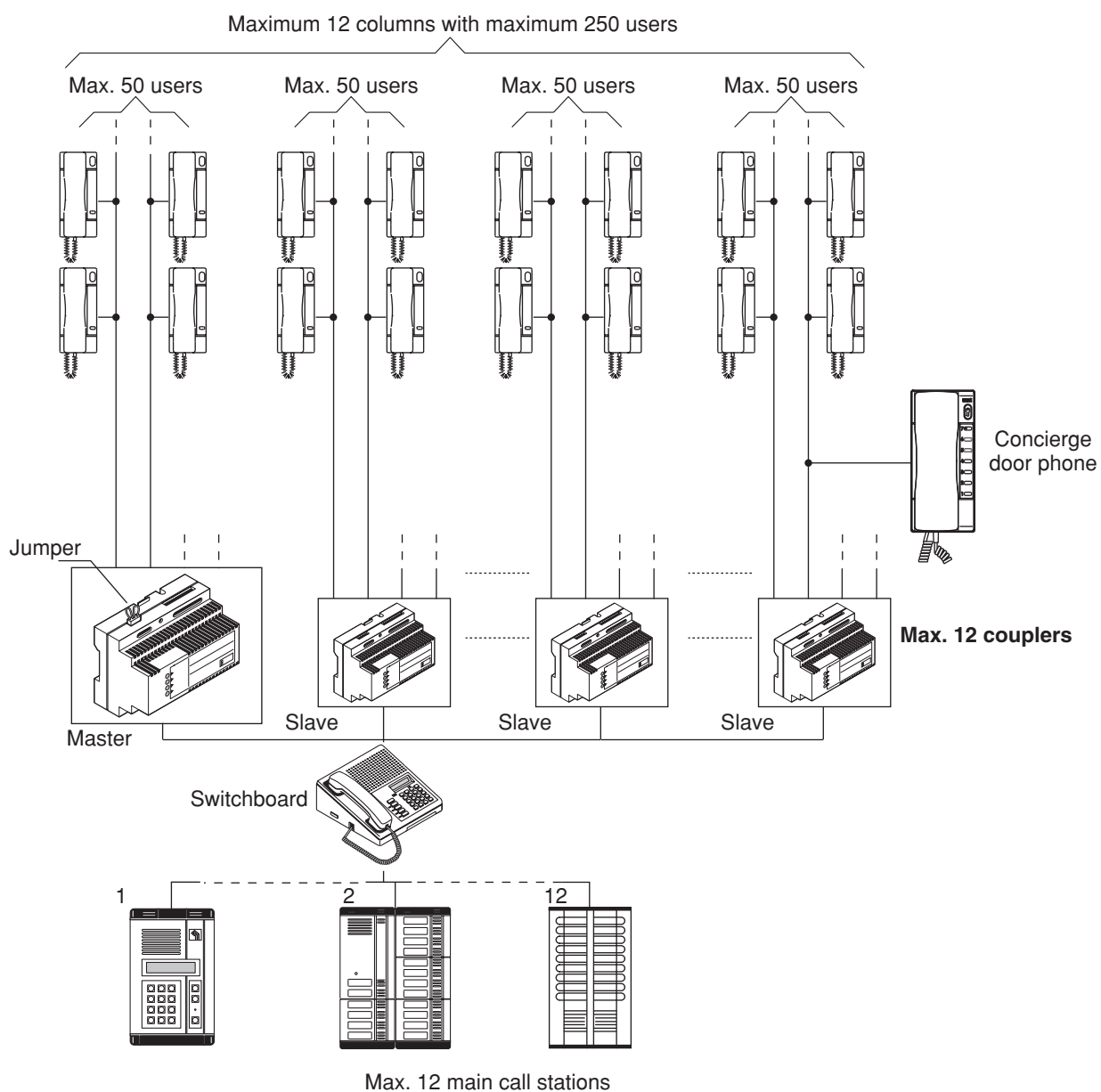
The number of devices which can be used in the system according to the number of main stations is shown below.

Number of main stations	Number of columns with secondary station	MAX number of columns without secondary station	MAX number of couplers
1÷ 12	0	12	12
1	10	0	10
2	10	0	10
3	9	3	12
4	8	4	12
5	7	5	12
6	6	6	12
7	5	7	12
8	4	8	12
9	3	9	12
10	2	10	12
11	1	11	12
12	0	12	12

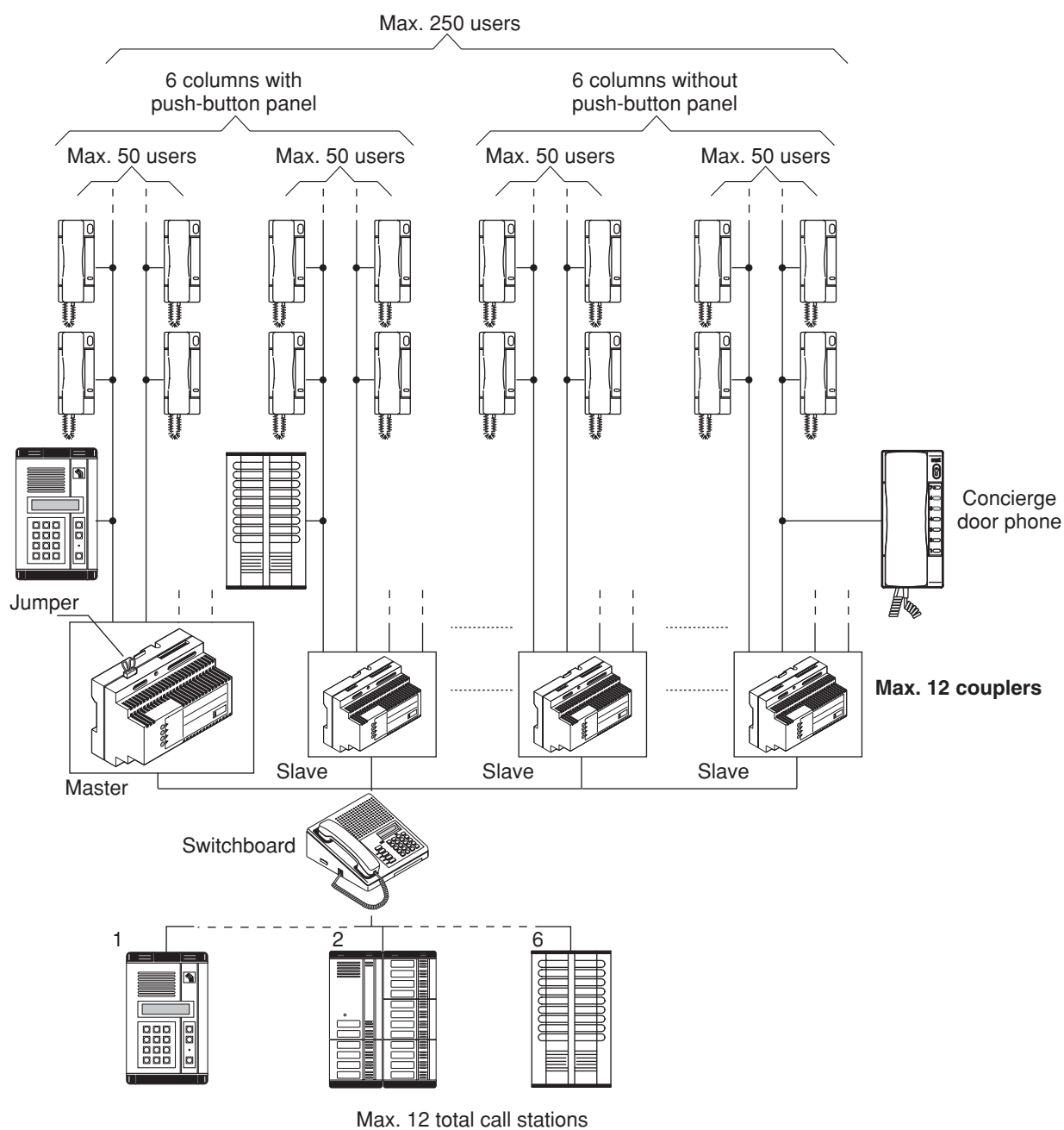
All columns in the system have a secondary push-button panel in this example



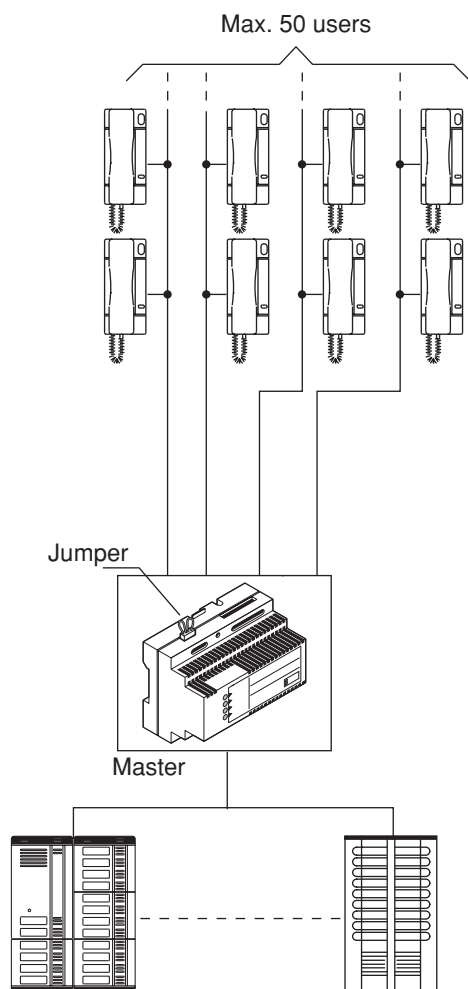
**Example of system columns without secondary push-button panels**



## Example of system columns with and without secondary push-button panels



**Example of single column system without secondary push-button panel**



**APARTMENT STATION PROGRAMMING**

A code of the following type must be associated to each apartment station in the system:

- numeric (e.g. 1234)
- alphanumeric with letter suffix (e.g. 123A)
- alphanumeric with letter prefix (e.g. A123)

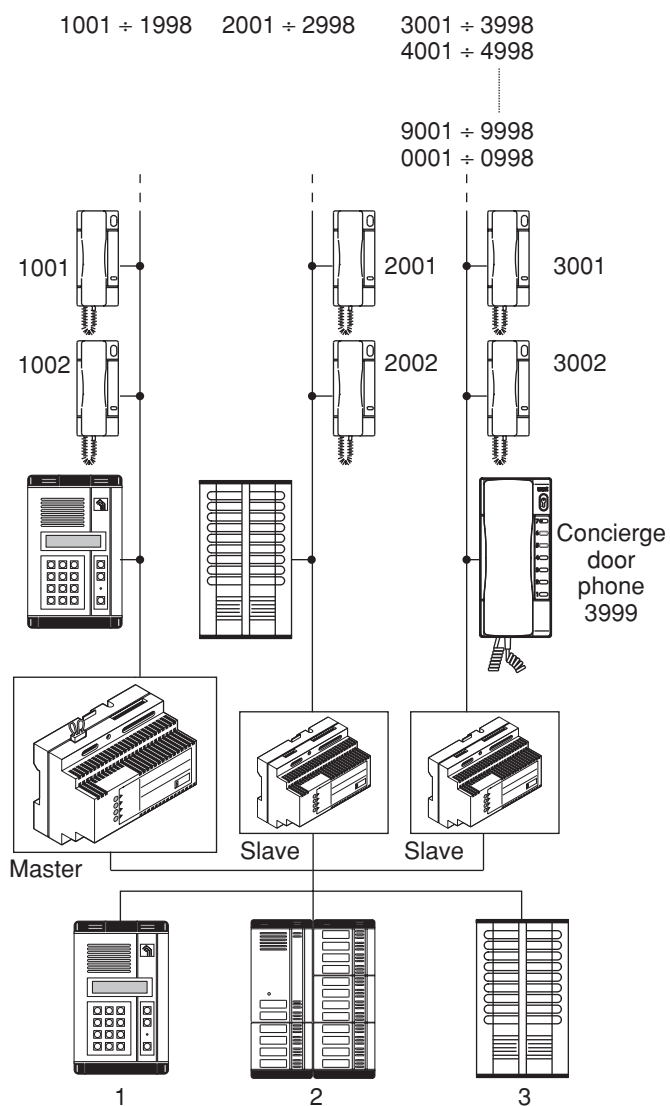
**N.B.:** All apartment station codes must be of the same type.

**SYSTEM WITH NUMERIC CODES**

The numeric code format is Nxxx, where N is a number from 0 to 9 identifying the secondary calling station which depends on the apartment station, and xxx is a number from 001 to 998 identifying the apartment station within its group.

The concierge door phone Ref. 1172/33 (where fitted) code must be N999.

The code of columns without secondary calling stations in the system (where fitted) must be Mxxx, where M must not be the same as any secondary station ID (N).

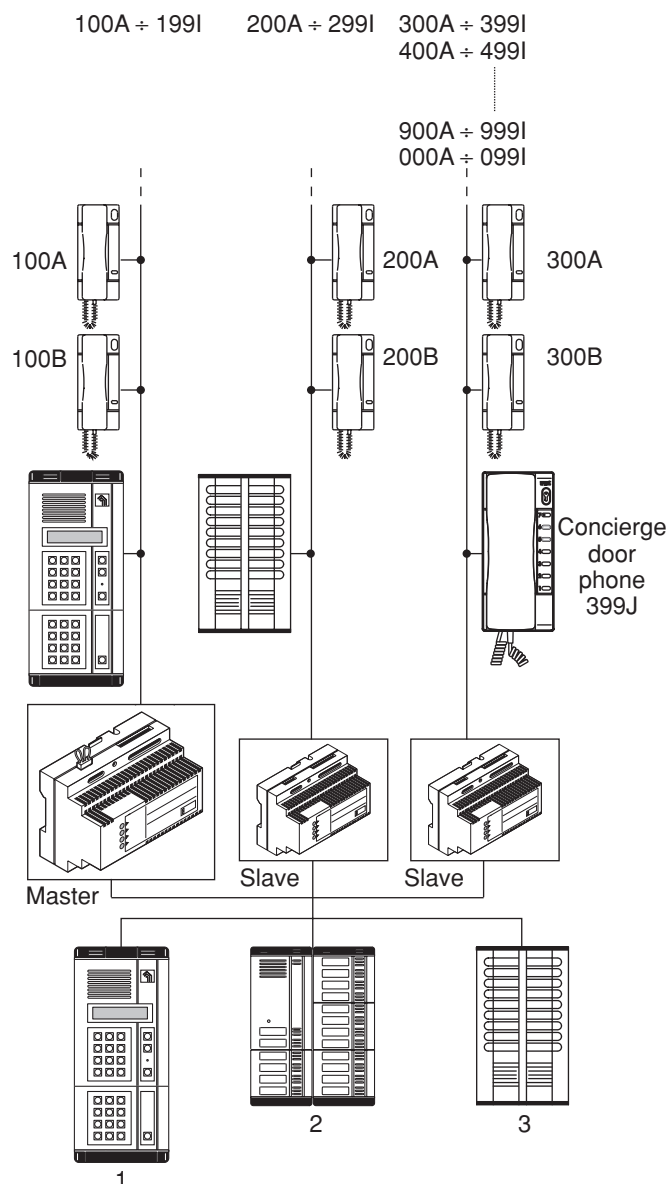


### SYSTEM WITH ALPHANUMERIC WITH LETTER SUFFIX

The alphanumeric code format is Nxxx, where N is a number from 0 to 9 identifying the secondary calling station which depends on the apartment station, and xxx is a number from 00A to 99I identifying the apartment station within its group.

The concierge door phone Ref. 1172/33 (where fitted) code must be N99J.

The code of columns without secondary calling stations in the system (where fitted) must be Mxxx, where M must not be the same as any secondary station ID (N).

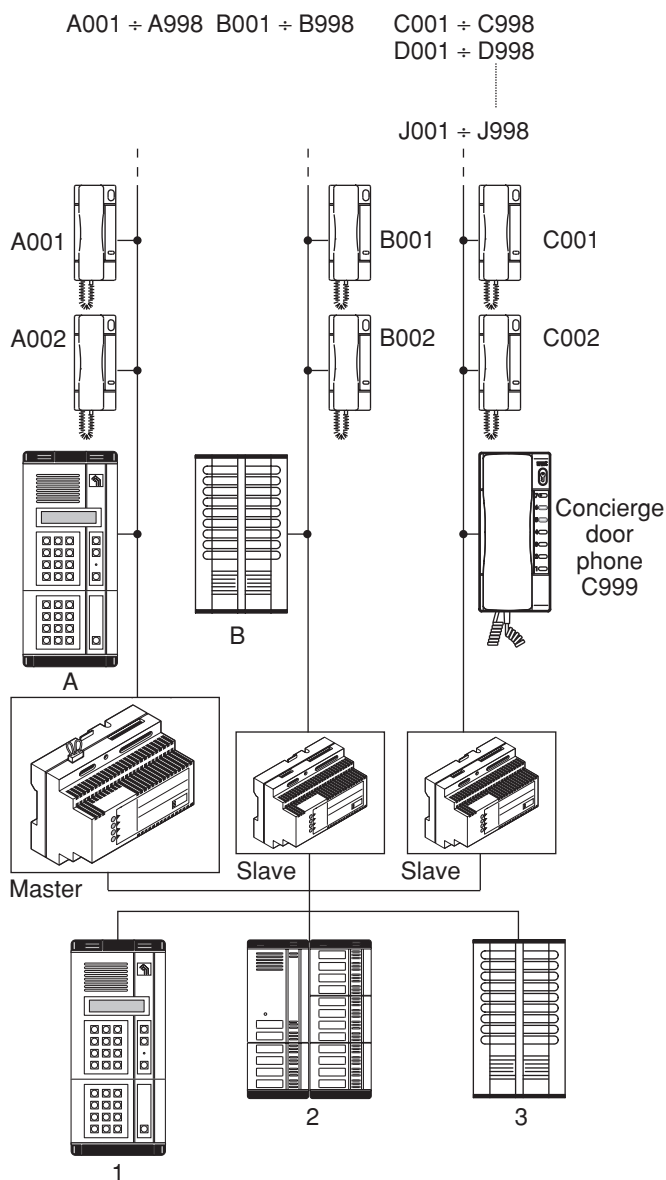


### SYSTEM WITH ALPHANUMERIC WITH LETTER PREFIX

The alphanumeric code format is Nxxx, where N is a letter from A to J identifying the secondary calling station which depends on the apartment station, and xxx is a number from 001 to 998 identifying the apartment station within its group.

The concierge door phone Ref. 1172/33 (where fitted) code must be N999.

The code of columns without secondary calling stations in the system (where fitted) must be Mxxx, where M must not be the same as any secondary station ID (N).



## VIDEO DOOR PHONE SYSTEMS

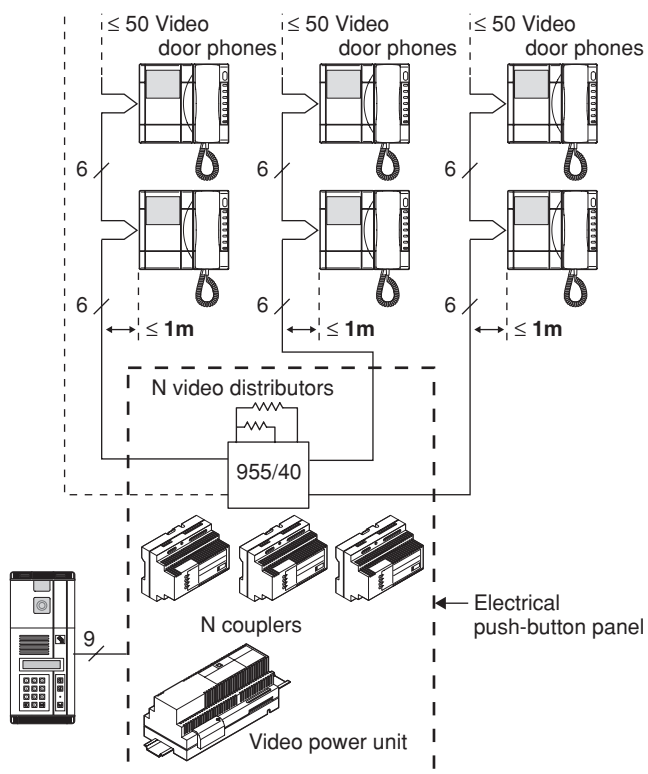
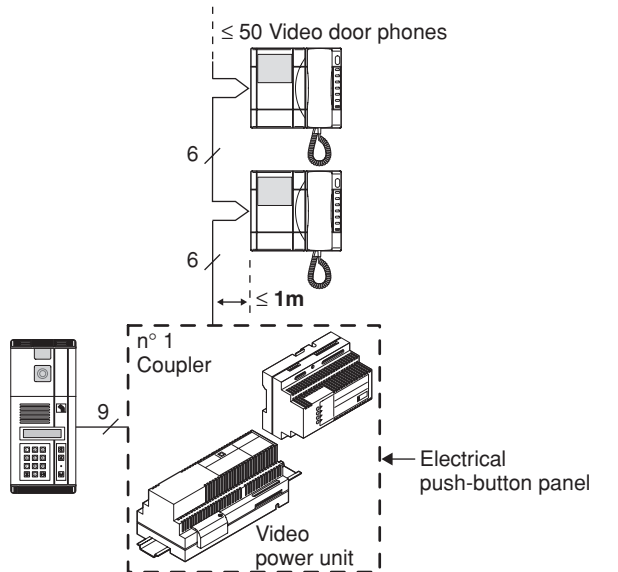
Bibus 2nd Edition devices can be used to make the following types of system with main and secondary calling stations:

- Video door phone system without floor distributors and "in-out" video signal connection.
- Video door phone system with floor distributors.

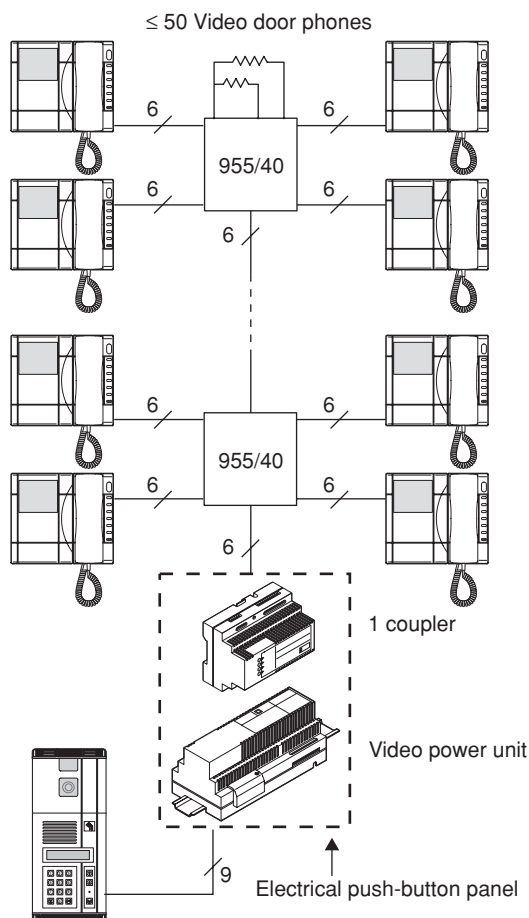
In both cases, the maximum distance between camera and last monitor is 200 metres.

In the case of "in-out" systems, the sections in common (A1 wire, B1 input and A1 wire, B1 output) running the same connection tube between column and monitor must be considered in the maximum distance and must be no more than 1 metre each.

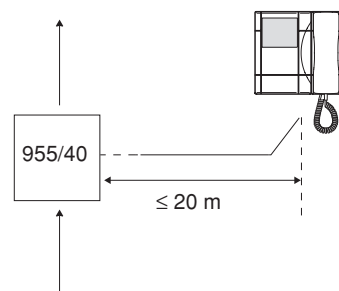
### Examples of systems with "in-out" column columns



### Example of system with floor distributor



### Maximum distance between video door phone and distributor





## INSTALLATION

The following elements must be considered for correct system construction:

- surrounding electrical environment
- the wire type and cross-section area
- the extension of the system.

## SURROUNDING ELECTRICAL ENVIRONMENT

Construct the system respecting the safety standards. Avoid running bus wires (main station side bus and door phone side bus) near power lines in the building, e.g. staircase lights, lifts, power line columns (230Vac).

A distance of at least 10 cm is recommended.

Arrange a metallic partition in between as commonly employed in telecommunication system construction if wires must be laid near existing power lines.

**Important:** No part of the Bibus 2nd Edition system must be connected to electrical earth.

## WIRE TYPE

Use a normal one-pole wire with a suitable cross-section area for electrical connections. Multiple pole wire must not be used. The main push-button panel side bus and the door phone side bus must run in separate conduits. Coupler spines (where fitted) must run in reciprocally separate conduits.

Telephone wire terminals L1 and L2 with a diameter exceeding 0.6 mm (AWG22) can be used for distances less than 100 metres between calling station and bus coupler, or between bus coupler and most distant door phone.

## MAXIMUM DISTANCE BETWEEN DEVICES IN THE SYSTEM

The following tables show the maximum connection lengths between the various modules in the system and the respective cross-section area of the wires.

### Door phone systems

Maximum distance	50m	100m	200m	300m	400m
Between: - Bus coupler - Most distant apartment station or secondary station	0.75mm <sup>2</sup>				
Between: - Bus coupler - Main station	0.75mm <sup>2</sup>		1.5mm <sup>2</sup>	2,5mm <sup>2</sup>	
Between: - Bus coupler - 2-wire switchboard	0.75mm <sup>2</sup>		1.5mm <sup>2</sup>	2,5mm <sup>2</sup>	
Between: - Electrical door lock - Electrical door lock power transformer	1.5 mm <sup>2</sup>				
Between: - Bus coupler - Power transformer (24 Vac)	1.5 mm <sup>2</sup>				
Between: - Switchboard - Power transformer (12 Vac)	1.5 mm <sup>2</sup>				

### Video door phone systems

In a video door phone system, the maximum distance between camera and last monitor is 200 metres.

Maximum distance	50m	100m	200m
Between: - Bus coupler - Most distant apartment station	0.75mm <sup>2</sup>		
Between: - Bus coupler - Main station	0.75mm <sup>2</sup>		1.5mm <sup>2</sup>
Between: - Bus coupler - 2-wire switchboard	0.75mm <sup>2</sup>		1.5mm <sup>2</sup>
Between: - Electrical door lock - Electrical door lock power transformer	1.5 mm <sup>2</sup>		
Between: - Bus coupler - Power transformer (24 Vac)	1.5 mm <sup>2</sup>		
Between: - Switchboard - Power transformer	1.5 mm <sup>2</sup>		

Maximum distance		50m	100m	200m
Control signals and relay power unit	SN, R, +R	0.5 mm <sup>2</sup>	1 mm <sup>2</sup>	
Power unit	R1, R2, +TC	0.75 mm <sup>2</sup>	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
Video signal	A, B, A1, B1 (*)	0.25 mm <sup>2</sup>	0.25 mm <sup>2</sup>	0.25 mm <sup>2</sup> (double)

(\*) Normal wires can be used for A and B, A1 and B1 for distances shorter than 100 metres. Double wires must be used for higher distances, up to 200 metres.

Use the cross-section areas shown in the table for A and B, A1 and B1: do not use larger cross-section areas.

Using double wires is recommended because they improve the video picture quality. A normal double telephone wire AWG22 (Ø 0.6 mm) can be used for this purpose.

## MAXIMUM EXTENSION OF THE SYSTEM

The sum of all the bus sections on main station bus side must be less than 800 metres. The sum of all the door phone bus sections of a coupler must be lower than 800 metres.

## DEVICE POWER

### Door unit with digitiser Ref. 1072/19

- One transformer Ref. 9000/230 or similar to control the door lock and up to two name tag light bulbs.
- One transformer Ref. 9000/230 for lighting additional name tags. Internal calling station circuits are powered by bus voltage.

### Calling module Ref. 1072/12

- One transformer Ref. 9000/230 for each calling module.
- N.B.:** Each calling module must have its own power transformer.

### Concierge switchboard Ref. 1072/41

- One transformer Ref. 9000/230.

### Bus coupler Ref. 1072/23

- One transformer Ref. 1072/20A for 230Vac mains voltage or Ref. 1072/110 for 110 Vac mains voltage.



## ACTIVATING THE SYSTEM

Power the system and check that the LEDs on each coupler are on. Go to the next step if the LEDs are on. A LED may not come on: this indicates an anomaly on the apartment station spine.

**Note:** *The coupler will attempt to reactivate the faulty spine approximately once a minute for up to ten times. The faulty spine will be cut off after ten failed attempts. To restore, power the coupler down, eliminate the spine problem and power the coupler again.*

Program the devices in the following order:

1. Program the calling stations one by one. **Pay particular attention to the system configuration (1st Edition or 2nd Edition) and to the type of station (main or secondary).**
2. Program the calling button user codes for button stations.
3. Program the door phones and PABX adapters (where fitted) from any calling station.
4. Test the columns by calling from the respective secondary stations.
5. Test the main stations by making at least one call in each column.
6. Program the switchboard (where fitted) and test it, verifying concierge services.
7. Program the special decoders (where fitted) and check operation.

**Note:** *Coupler 1072/23 does not need programming. The type of system (1st Edition or 2nd Edition) does not need to be programmed for door phones, PABX interfaces and special decoders because these devices be configured according to the system type automatically.*

## MAINTENANCE AND REPLACEMENTS

Some devices in the system may need to be replaced in time for maintenance purposes. This paragraph indicates what needs to be reprogrammed.

### Door unit with digitiser Ref. 1072/19

Replacing door phone with digitiser Ref. 1072/18 with model Ref. 1072/19.

Make the wiring without changing the sequence of the buttons.

In video system with power unit Ref. 1772/6, video power terminal GND must be connected to door unit terminal R1 and not to door unit terminal GND.

Program the following parameters with programming adapter Ref.1072/60 and keyboard Ref. 1032/65:

- System type: 1st Edition.
- Station number (ID): enter the value of the replaced station.
- Electrical lock energising time: enter the value of the replaced station.

The door phones DO NOT need to be programmed.

Replacing door phone with digitiser Ref. 1072/19-19 with the same model.

Make the wiring without changing the sequence of the buttons.

Program the following parameters with programming adapter Ref.1072/60 and keyboard Ref. 1032/65:

- System type: 2nd Edition.
- Station number (ID): enter the value of the replaced station.
- Electrical lock energising time: enter the value of the replaced station.
- Hang-up waiting time and busy time: enter the value of the replaced station.
- Code type: enter the value of the replaced station.
- User codes: enter the value of the replaced station.

The door phones DO NOT need to be programmed.

### 16-user expansion module Ref. 1038/17:

no programming required.

### 50-user bus coupler Ref. 1072/23:

no programming required.

### Door phone Ref. 1172/31-/32-/33 or PABX adapter Ref. 1072/67:

1st Edition system replacement procedure.

Replace devices and reprogram from all calling stations.

2nd Edition system replacement procedure.

Replace devices and reprogram from any calling station.

### Special decoder Ref. 1072/80:

Reprogram the decoder.

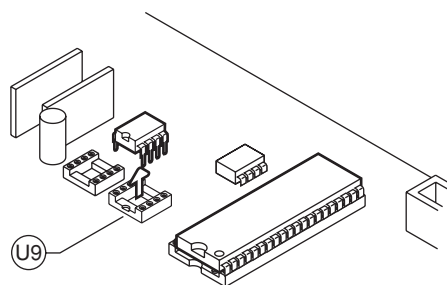
### Concierge switchboard Ref. 1072/41:

Replacing switchboard Ref. 1072/40 with model Ref. 1072/41.

Entirely reprogram the switchboard.

Replacing switchboard Ref. 1072/41 with the same model.

Replace the faulty device in the system. Remove component U9 from the old device and fit it in the new device to avoid reprogramming. Make sure the direction is correct.



### Calling module with repertory Ref. 1072/12:

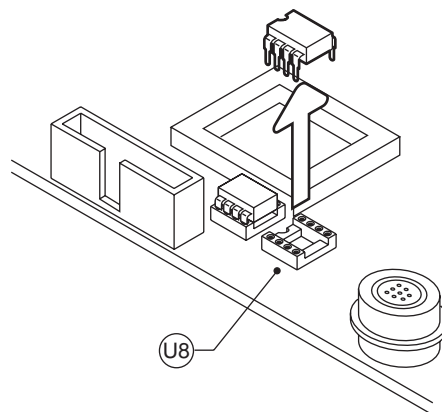
Replacing switchboard Ref. 1072/15 with model Ref. 1072/12.

Entirely reprogram the calling module.

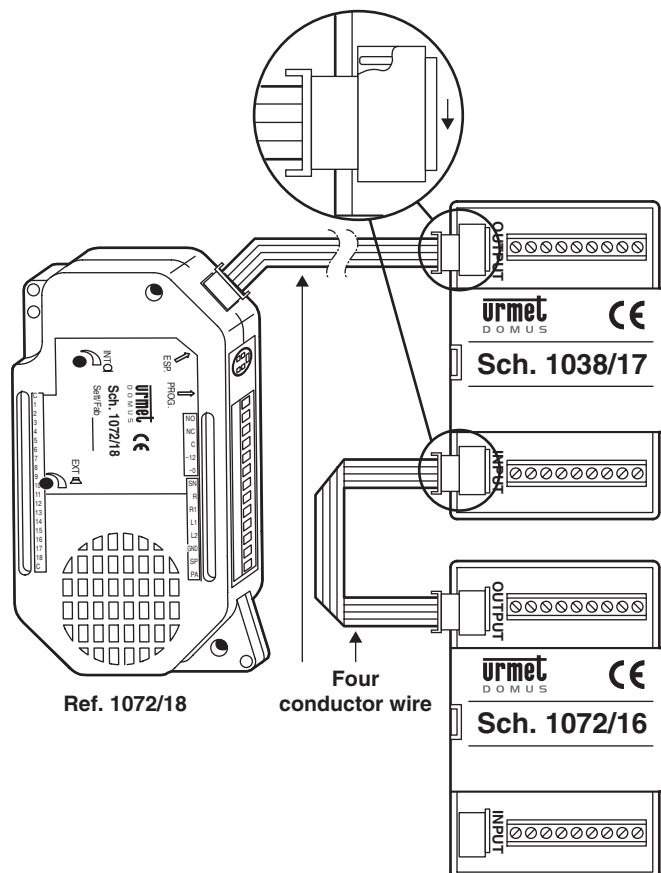
**N.B.:** Terminal R1 must be connected instead of terminal GND when replacing the device in 1st Edition video systems.

Replacing switchboard Ref. 1072/12 with the same model.

Replace the faulty device in the system. Remove component U8 from the old device and fit it in the new device to avoid reprogramming. Make sure the direction is correct.

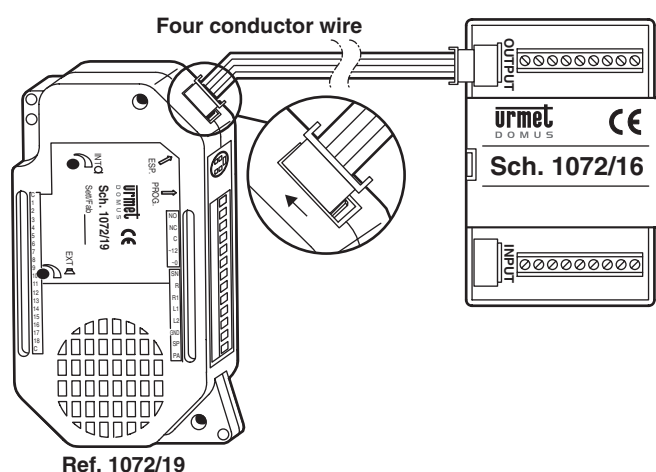


### 16-user expansion module Ref. 1038/17 replacing model Ref. 1072/16 1st Edition Bibus systems.



**N.B.:** The buttons associated to the expansion modules will not send the call if the wire is not inserted correctly.

### Door unit with digitiser Ref. 1072/19 replacing model Ref. 1072/18 in 1st Edition Bibus systems



**N.B.:** The buttons associated to the expansion modules will not send the call if the wire is not inserted correctly.

### TROUBLESHOOTING MAIN SYSTEM PROBLEMS

- 1) One or more LEDs on the bus coupler (Ref. 1072/23) are off. Presence of short-circuit in the corresponding bus coupler door phone spine.
- 2) The following message appears on the main calling module or switchboard display: "NO CONNECTION". Presence of short-circuit on push-button side bus circuit (L1, L2) or not only one bus coupler is programmed as master.
- 3) The main door unit with digitiser Ref. 1072/19 does not work (e.g. no courtesy tone after a calling button is called). Presence of short-circuit on push-button side bus circuit (L1, L2) or not only one bus coupler is programmed as master.
- 4) Door phone installation.  
Door phones 1172/31 and 1172/32 are automatically configured for working either in a 1st or 2nd Edition system. Before installing a door phone in a Bibus 2nd Edition system, power down the coupler related to the door phone column, power it up again and program the replaced door phone to ensure correct system synchronisation. Alternatively, the door phones can be installed when the system is powered but in this case at least one call must be made from a calling station or switchboard in the system for auto-configuration to be carried out correctly.  
The device are automatically configured when they are switched on in a 1st Edition system.  
Program the door phone after installation.

## POSSIBLE PROBLEMS RELATED TO PROGRAMMING ERRORS

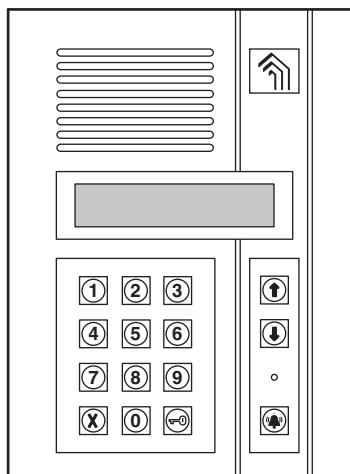
### New 2nd Edition systems

Programming error	Effect
Main calling station programmed as 1st Edition device	The door phones called from this station will only ring if they were programmed from this station but there is no voice.
Secondary calling station programmed as 1st Edition device	The door phones called from this station will only ring if they were programmed from this station but voice is attenuated with possible Larsen effect.
Switchboard programmed as 1st Edition device.	The switchboard does not receive calls from calling stations and the door phones.
Main calling station programmed as secondary station	Called by the station ring but there is no voice and the door cannot be opened. The other main stations do not switch to busy when this station is calling.
Secondary calling station programmed as main station	The door phones of other columns can be called by this station but there is no voice. The main stations switch to busy.
Door phone programmed with code not belonging to column (e.g. door phone 1001 in column 2)	The door phone cannot be called by the column secondary (e.g. 101 cannot be called by secondary 2). The door phone can be called by a secondary in another column but there is no voice and the door cannot be opened (e.g. 1001 in column 2 can be called by secondary 1).

### Retrofitting 1st Edition systems

Programming error	Effect
Main calling station programmed as 2nd Edition device	The door phones called by this station do not ring.
Switchboard programmed as 2nd Edition device.	The switchboard cannot receive calls from calling stations and door phones.

## CALL MODULE WITH DIRECTORY Ref. 1072/12



CALL MODULE WITH DIRECTORY 2ND EDITION 1072/12 CAN BE USED TO RETROFIT OLD 1ST EDITION SYSTEMS.

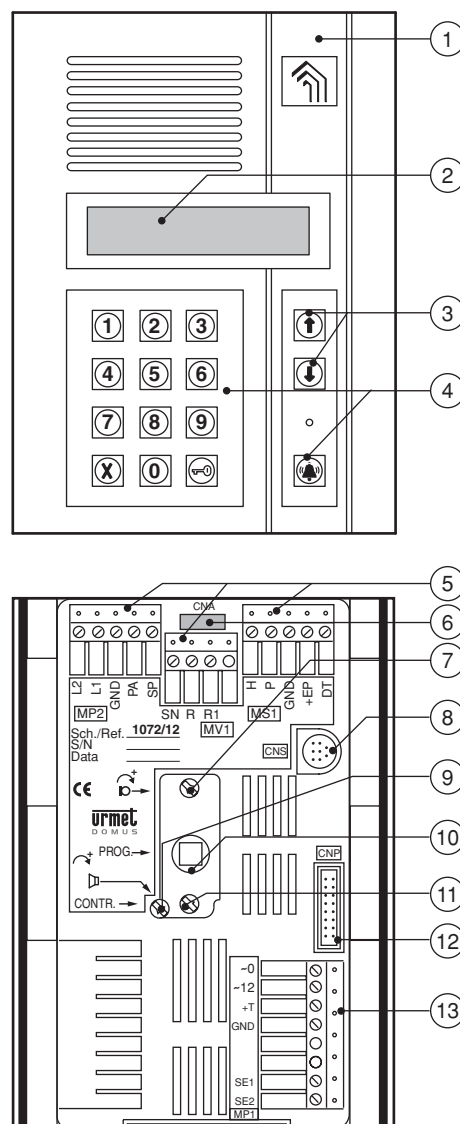
IN A SECOND EDITION SYSTEM (IMPLEMENTING ALL BIBUS 2ND EDITION FEATURES) ALL DEVICES ARE 2ND EDITION DEVICES AND THUS CONFIGURED.

## PERFORMANCE

- Two-module KOMBI range: with back-lit 16x2-character LCD display, integrated speaker and back-lit buttons.
- Direct user call by entering numeric code.
- Direct user call by entering alphanumeric code connecting optional alphabetic keyboard Ref.1038/72. Codes can have letter prefixes or suffixes with letters A-J.
- User calls by selecting stored names (max. 250).
- Direct concierge switchboard call (day mode only) by pressing button only (where configured).
- Management of 250 names with respective 4-digit door opener code.
- Management of additional 8 generic door opener codes with time bands using external clock.
- The module can be programmed by means of a keyboard, programming keyboard 1032/65 or PC.
- Direct lock management by capacitance discharge and hold current with programmable activation time from 1 to 30s.
- Programmable door phone hang-up waiting time (10s, 20s, 30s, 40s).
- Programmable minimum guaranteed conversation time (10s, 20s, 30s, 40s).
- Maximum conversation time: 250s.
- Open door contact input.
- Hall button timed input.
- Mail key input.
- Acoustic call sent signal.
- Busy function signalled by message on display.
- Two trimmers for adjusting speaker and microphone volume.
- One trimmer for adjusting display contrast.
- Optoisolated control signal management for video door phone systems.
- Multilingual message display without additional EEPROM.
- Powered by 9000/230 (12Vac).

## STRUCTURE

The call module with directory consists of the following parts:



- 1 Two-module Kombi front.
- 2 Alphanumeric display, two-rows, 16-characters, back-lit.
- 3 Yellow back-lit name selection buttons.
- 4 Green back-lit number pad buttons with yellow back-lit function buttons: "Cancel", "Key" and "Call".
- 5 Extractable connection terminal boards (MP2, MV1, MS1).
- 6 Additional alphanumeric keyboard (1038/72) connector.
- 7 Adjustable call module microphone volume.
- 8 PC wire connector (CNS).
- 9 Adjustable LCD contrast.
- 10 Programming button (for use only when password is not known).
- 11 Adjustable call module speaker volume.
- 12 Programming alphanumeric keyboard (1032/65) connector (CNP).
- 13 Extractable connection terminal board (MP1).

## DESCRIPTION OF TERMINALS AND CONNECTORS

### MP1 terminal board

~0	Power 12Vac
~12	Power 12Vac
+T	Back-up power positive
GND	Back-up power negative
SE1	Electrical lock connection
SE2	Electrical lock connection

### MP2 terminal board

L1	Bus line 1st wire
L2	Bus line 2nd wire
GND	Reference electrical earth
PA	Hall door opener button input
SP	Open door sensor contact input

### MV1 terminal board

SN	Video power unit on signal for video systems
R	Video switching enable signal for video systems
R1	Video power earth

### MS1 terminal board

H	Door opener code time band contact input
P	Mail key input
GND	Reference electrical earth
+EP	Auxiliary device power
DT	Not used
CNA	Alphabetic keyboard connector 1038/72
CNP	Programming keyboard connector 1032/65
CNS	PC serial line connector

## TECHNICAL SPECIFICATIONS

Power:	12Vac nominal
Stand-by consumption:	300mAac max.
Maximum consumption:	600mAac max. (*)
R signal:	I <sub>max</sub> = 80mA
Lock hold current:	190mA max.
Working temperature range:	-10 +50°C
Humidity:	90% RH @ 30°C

(\*) with alphabetic keyboard connector 1038/72

## INSTALLATION

Refer to the "**Kombi Ref. 825 push-button panel calling stations**" chapter for calling module installation procedures.  
The module is programmed by default with a jumper between the earth and the "SP" signal to simulate the door closed contact. Remove the jumper and connect the sensor between GND and SP when the open door contact is required. Connect the electrical lock positive to terminal SE1 and the negative to terminal SE2 when polarised electrical locks are used.

## PROGRAMMING

The module can be programmed in three ways when the system is powered:

- 1 Via external keyboard 1032/65 (recommended method).
- 2 Via local numeric keypad without opening the frame. The programming password is required for this operation.
- 3 Via PC connection.

Repetitive beeps and a message on the display in programming will signal that other modules with the same ID are present. Change the station number (ID) in this case.

## PROGRAMMING VIA KEYBOARD 1032/65

Programming mode is entered automatically by connecting the external keyboard to the call module. Programming mode is quitted by disconnecting the external keyboard in any menu. All previously entered data will remain valid. See "PROGRAMMING PARAMETERS".

## PROGRAMMING VIA LOCAL KEYPAD

Programming mode can be accessed in two ways.

- **The configuration access password is known** (the default password is "9999"): enter "00" followed by the 4-digit password and press . The following message will appear if the password is wrong:

Incorrect  
PASSWORD

Password entry will be jammed for a time which increases with the number of failed attempts after the third attempt.

- **The password is not known:** open the Kombi frame and press the red button on the back. The red programming button on the back of the unit can be pressed in any programming menu. The data entered to this time will be valid. Press **X** for three seconds to go back to the previous menu.  
Press **X** for three seconds in the main menu to quit programming. Normal operation is automatically restored if no buttons are pressed for over three minutes.

## PROGRAMMING PARAMETERS

Refer to the local keypad programming method for programming menu operative descriptions.

The following table shows the operative differences for programming via keyboard 1032/65.

Functione	Programming via local keypad	Programming via external keyboard
Select menu	Buttons  and	Tasti ← and →
OK (enter)	Button	Button ↵
Escape (one menu up)	Button <b>X</b> pressed for 3s	Button ↶
Whitespace	Separate characters	Button SP
Backspace (for correction)	Separate characters	Button BS
Select special characters	Separate characters	Button /
Delete booking of code to be associated	Button	Button BS

The main menu will appear on the display when programming mode is accessed:

Main Menu Edition	↓	
Main Menu Language	↓↑	
Main Menu C.Module Type	↓↑	(2nd Edition only)
Main Menu Cal Module n°	↓↑	
Main Menu Busy Time	↓↑	
Main Menu Door op. time	↓↑	
Main Menu Lock rel. codes.	↓↑	
Main Menu Type of code	↓↑	
Main Menu Codes/Names	↓↑	
Main Menu Association	↓↑	
Main Menu Mod. Password	↓↑	
Main Menu Switchb. call	↑	

Press ↑ and ↓ to scroll the menu. Press ⏏ to confirm once the required menu is reached.

**Note:** The module will check for other devices programmed with the same number (ID) in the system when accessing programming mode and during programming. The following error message will appear if other modules with the same ID are fitted (which will certainly be the case of a system with more than one call station):

EXISTING  
CALL MODULE N°

### Edition

The module can be configured as 1st edition or 2nd edition device. **The module must be programmed as 1st edition if there is even only one 1st edition device in the system (when replacing parts in old systems). The device must be programmed as 2nd edition when all the devices in the system are 2nd edition.**

The following message will appear on the display:

Edition: II ED		(2nd Edition only)
<I ED>	<II ED>	

Press ↑ and ↓ to select and press ⏏ to confirm. The system will automatically go back to the main menu after a confirmation tone.

### Language

The following message will appear on the display:

==	Language	==
	Italiano	↓

Press ↑ and ↓ to select and press ⏏ to confirm. The system will automatically go back to the main menu after a confirmation tone.

### Station type

The module can be configured as a main station or as a secondary station. A secondary module can be used to send calls to internal stations in the riser but cannot be used to call the switchboard. **In the case of 1st edition systems, the module will be automatically configured as a main station and should not be changed.**

The following message will appear on the display:

C. MOD. TYPE:	
<MA.>	<SEC>

Press ↑ and ↓ to select and press ⏏ to confirm. The system will automatically go back to the main menu after a confirmation tone.

1st edition system: this programming is not required.

### Station number (ID)

A number from 1 to 12 is assigned to each main calling station. A number from 0 to 9 is assigned to each secondary station. The secondary number is in the range from A to J in systems with alphabetic prefix. A to J programmed on a secondary station will automatically be reprogrammed as a prefix code format. ID from 0 to 9 on a secondary station will automatically be reprogrammed as a numeric code format.

The following message will appear on the display:

=	Station n°	=
	Station: 1	

Enter the station number and press ⏏ to confirm. Press X to cancel the entry. The system will automatically go back to the main menu after a confirmation tone.

1st edition system: the station number must be in the range from 1 to 12 (there are no secondary stations in the system). Assign 15 as station number to use the clone function.



### Busy time

The busy time is split into two sub-menus.  
The following message will appear on the display:

==	BUSY TIME	==
	PICKUP TIME	↓


==	BUSY TIME	==
	BUSY TIME ↑	

Press ↑ and ↓ to select the sub-menu and press  to confirm.

### Off-hook stand-by time

The off-hook stand-by time is the maximum time of a call in which the user can answer the door phone. All other calling stations will be busy during this time. All devices in the system must have the same off-hook waiting time. The following message will appear on the display:


PICKUP TIME:	20s
<10><20><30><40>	

Press ↑ and ↓ to select and press  to confirm. The system will automatically go back to the main menu after a confirmation tone.

### Minimum conversation time (busy)

When a user is called and answers the door phone, all other call stations will be busy for the minimum programmed conversation time. A communication that has just started cannot be interrupted. All devices in the system must have the same minimum conversation time (busy time). The following message will appear on the display:


BUSY TIME:	20s
<10><20><30><40>	

Press ↑ and ↓ to select and press  to confirm. The system will automatically go back to the main menu after a confirmation tone.

### Door lock activation time

The relay controlling the door lock can be managed in pulse mode (approximately 500 ms) or stabile mode (from 1 to 30 s). The following message will appear on the display:


=	Door op. time	=
	0 seconds	

Enter the number of seconds and press  to confirm. Press X to cancel the entry. The system will automatically go back to the main menu after a confirmation tone.

### Door opener codes

The eight generic door opener codes can be stored in sequence.  
The following message will appear on the display:

Lock rel. codes
1° Code:

Enter the 4-digit code and press  to confirm. Press X to cancel the entry. The second code can be entered automatically after a confirmation tone. The system will automatically return to the main menu at the end of programming. Alternatively, press X for three seconds to go back to the main menu.

### Code type

The module can be used to call users with numeric codes (0001-9999), alphanumeric codes with alphabetic prefix (x000-x999) and alphanumeric codes with alphabetic suffix (000x-999x). Letters from A to J can be used.

The following message will appear on the display:

=	Code Type	=
Num.	1.9999	↓

=	Code Type	=
Pref.	x000.x999	↓↑

=	Code Type	=
Suf.	000x.999x	↑

Press ↑ and ↓ to select the code type and press  to confirm.

### Codes/names

The names and respective codes can be programmed in this menu.  
The following message will appear on the display:

=	Code/Name	=
	Enter Data	↓

=	Code/Name	=
	Modify Data	↓↑

=	Code/Name	=
	Clear All	↑


Press ↑ and ↓ to select the sub-menu and press  to confirm.

### Enter data


The user codes and respective names and personal door opener codes can be programmed in this sub-menu.

The first free position in the 250 item table will appear (one item for each user):

Position: 1
Code:

Enter the numeric or alphanumeric code formed by a variable number of digits from 1 to 4 and press  to confirm. Press X to correct. Press X for longer than three seconds to go back to the previous menu. The same code can be entered in two or three positions in an apartment where two or three door phones are connected in parallel (you are advised to use adjacent positions to simplify the association). The following will appear on the display after entering the code:

Code 1001	Name:
-----------	-------

The name can be entered later. In this case, press  and enter the new code. Proceed as follows if the user name is known. Press ↑ and ↓ on the call module keypad to seek the required character. Select the character. The cursor will shift right by one position to enter a new

character after approximately one second if no other button is pressed. Press **X** to delete the last entered character. Use programming keyboard 1032/65 to considerably facilitate entry of names.

The same name can be assigned to different codes. Enter the name and press **▲** to enter the respective door opener code. The following message will appear on the display:

Code Lock rel.

Enter the personal door opener code and press **A** to confirm. The general code programmed during the "Door opener code" phase cannot be entered. Press **▲** without entering a code to skip assigning a door opener code to the user.

#### Editing data

The data related to the entered users can be edited in this sub-menu. The following search criteria can be applied:

- search by position in table (1-250)
- search by name.

The following message will appear on the display:

Modify Data  
Search by Pos. ↓

Modify Data  
Search by Name ↑

Press the scroll arrows to select the search criteria and press **▲** to confirm.

#### Search by position

This sub-menu can be used either to edit the user code, name or door opener code in a certain position in the table or to delete the record. The following message will appear on the display:

Position: 1  
Code: 1001

Press the scroll arrows to select the position to be edited and press **▲** to confirm. At this point, you can:

- delete the record by pressing **X** (or **bs** on the keyboard 1032/65 to delete the code). A confirmation prompt will appear and the record will be deleted.
- change the user code: enter a new code and press **▲** to confirm and go to the next name to be edited.
- change the name: a form similar to that for entering names will appear to edit the user code. Edit the name and press **▲** to confirm the operation.
- change the user door opener code: a form similar to that for entering door opener codes will appear after editing the name. Edit the code and press **▲** to confirm the operation.

#### Search by name

This sub-menu can be used to edit a name or door opener code associated to a record. The following message will appear on the display:

Rossi Mario  
Code: 1001

Press the scroll arrows to select the position to be edited and press **▲** to confirm. At this point, you can:

- change the name: edit the name and press **▲** to confirm.

- change the user door opener code: a form similar to that for entering door opener codes will appear after editing the name. Edit the code and press **▲** to confirm the operation.

#### Clear all

This sub-menu can be used to clear the name table with respective user codes and personal door opener code.

The following message will appear on the display:

Are you sure?  
<YES> <NO>

Press the scroll arrows to select and press **▲** to confirm.

#### Association

The door phone programming sequence consists of two steps:

- A. Door phone booking (to be made on a calling station)
- B. Door phone programming (to be made in the apartments).

#### A: Door phone booking.

Select the Association menu.

Position: 1  
C:1001 Associate?

The following message will appear on the display:

- 1 Scroll the record list with the scroll arrows. Press **▲** to confirm the records to be added to the booking list. Symbol **|←** will appear next to the position. Press **↵** instead of **▲** to delete a record from the booking list. Symbol **|←** will disappear.
- 2 The door phones can be programmed in the same order after creating the booking list. Press **X**. The following will appear on the display:

MODULE BEING  
PROGRAMMED

Proceed by programming the door phones.

#### B: Door phone programming.

- 1 Go to the first booked user, hold the button pressed and lift the door phone handset. Two confirmation beeps will be heard and the LED will flash to indicate that it has been programmed.
- 2 Go to the other booked users and repeat the operations.

Refer to the attached sheet to remember the code/button association sequence.

#### SEQUENZA DI ASSOCIAZIONE ASSOCIATION SEQUENCE

N° DELLA POSTAZIONE (ID):  
CALL MODULE NUMBER (ID):

SEQ.	NOMINATIVO USER NAME	PULSANTE / CODICE PUSHBUTTON / CODE	PIANO FLOOR	VARIE VARIOUS
1				
2				
3				
4				
5				

**The entire operation (booking and programming) must be repeated for each module in the system, unless the "Clone" function (see below) is used.**


The module will quit programming mode for the following events:

- end of door phone programming
- 10 minute time-out after the last operation
- pressing the red programming button
- pressing any module key and entering the programming password.


#### How to associate 2/3 door phones in parallel in 2nd edition systems.

To install two or three door phones in one apartment and make them



both ring when a call is received, press  related to the user twice or three times with the door phones in parallel when booking the door phones. When you reach the apartment where the parallel door phones are installed according to the programming sequence, repeat the programming sequence on both door phones.

#### How to associate 2 door phones in parallel in 2nd edition systems.

To install two door phones in one apartment and make them both ring when a call is received, press  related to the user twice times with the door phones in parallel when booking the door phones. When you reach the apartment where the parallel door phones are installed according to the programming sequence, repeat the programming sequence on both door phones.

#### Using the "clone" function in 1st edition systems.

A single association between calling station codes and respective door phones can be made in 1st edition systems without switchboard and without door open signal function. The remaining call stations can be clones of the first station (the master station) and copy the codes associated to the single users. To enable this function:

- define the master station as address "1" (where to make the association).
- define all other stations as address "15".

Obviously, all names must be programmed on the "clone" stations.

#### **Edit password**


This menu can be used to edit the password for accessing module programming.

The following message will appear on the display:


Password: 9999  
New:

Enter the new 4-digit password and press  to confirm.

#### **Switchboard call enable**

This menu is used to enable direct concierge switchboard calls simply by pressing . The function is only active when the door phone is in day mode.

The following message will appear on the display:

Call key   
<YES> <NO>

Press the scroll arrows to select and press  to confirm.

#### **DEFAULT PROGRAMMING**

The device is pre-programmed as follows:

System type: 2nd edition  
Station type: main  
Code format: numeric (0001-9999)  
Station number: 1  
Off-hook waiting time: 20s  
Busy time: 20s  
Door opener time: pulse

To restore default settings:

- Disconnect module power.
- Hold the red programming button pressed and power up the module.
- Hold the button pressed for approximately 10 seconds and wait for a tone.
- Release the button.

#### **PROGRAMMING VIA PC**

The call module can be programmed and configured rapidly by means of a PC connected to the serial port (8) of the call module by means of a special wire Ref. 1072/57 (optional, not provided with the product).

The B-BUS PC program can be used for simple and fast module programming. The B-BUS program can be downloaded free of charge from the Urmet Domus web site (<http://www.urmetdomus.it>).

Minimum PC requirements are:

- 486 processor or higher
- Windows 95 or 98 operating system
- Use of a mouse is recommended.

The signals on the 9-pin female D-sub connector are:

Pin 1 n.c.  
Pin 2 RX PC data  
Pin 3 TX PC data  
Pin 4 n.c.  
Pin 5 Ground  
Pin 6 n.c.  
Pin 7 n.c.  
Pin 8 n.c.  
Pin 9 n.c.

Connect wire 1072/57 between module and PC serial port to carry out the following operations:

- 1) Download data from PC (refer to the B-BUS program for additional information). The following will appear on the module:

Data reception  
in course...

The module will become operative again at the end of the operation.

- 2) Upload data to PC (refer to the B-BUS program for additional information). The following will appear on the module:

PLEASE  
WAIT

The module will become operative again at the end of the operation.

#### **VOLUME REGULATION**

Volume levels are calibrated by default so not to required adjustments in most cases. Use a screwdriver to adjust the trimmers if required.

#### **DISPLAY CONTRAST REGULATION**

The display contrast is set at the factory and will not need to be adjusted in most installations. Use a screwdriver to adjust the trimmers if required.

#### **CALLS TO USERS**

A user can be called by entering the user's code on the keypad. Obviously, the code must be known to do so. The name can be sought in the integrated electronic directory if the code is not known.

#### **CALLS TO USERS BY SELECTING THE NAME**

The following message will appear on the display:

Select NAME  
with ↑ or ↓

Press **↑** or **↓** to scroll the user's names and codes. Hold either button pressed to scroll the names faster. Select the name and press **☎** to call the selected user. The apartment door phone will ring for approximately 3 seconds. Hold **☎** pressed to send up to three consecutive calls.

Name/code display example:

URMET DOMUS  
1001

The following prompt will appear on the display if **☎** is not pressed for longer than two seconds after selecting a name:

To call  
press **☎**

At this point, either press **☎** to call or press **↑** or **↓** to scroll the name list.

The following will appear on the display when the button is pressed:

CALL  
IN COURSE

Press **X** to interrupt the call to the previously selected user.

The following message will appear on the display if the user lifts the handset:

TALK  
PLEASE

Press **X** to end the conversation with the user.

The following message will appear if the user does not answer within the programmed off-hook stand-by time:

User  
does not reply

#### CALLS TO USERS BY SELECTING THE CODE

Select NAME  
with **↑** or **↓**

Dial the code of the user to be called (numeric or alphanumeric with optional keyboard). The following will appear on the display:

CALL TO:  
n°1001

Select the code and press **☎** to call the selected user. The apartment door phone will ring for approximately 3 seconds. Hold **☎** pressed to send up to three consecutive calls.

CALL  
IN COURSE

Press **X** to interrupt the call to the previously selected user.

The following message will appear on the display if the user lifts the handset:

TALK  
PLEASE

Press **X** to end the conversation with the user.

The following message will appear if the user does not answer within the programmed off-hook stand-by time:

User  
does not reply

#### DIRECT CALL TO CONCIERGE SWITCHBOARD

Press **☎** on a call module installed in a system with concierge switchboard to call it directly. This is only possible when the concierge switchboard is in day mode, i.e. when the concierge service is operative and the function has been activated (see "Programming").

The following message will appear on the display:

CALL TO:  
Switchboard

The following will appear on the display if the button A is pressed and either the concierge switchboard is in night mode or the function has not been activated (see "Programming").

CODE NOT  
VALID

#### DOOR OPENER CODES

Press the **↵** button before entering each door opener code. Symbol "※" will appear on the display when entering the code for each button. The module will open the door if the code is valid. A warning will be output if the code is not valid. The sequence is the same for "Generic" and "Personal" door opener codes: press **↵** followed by the door opener code. The following will appear on the display:

LOCK REL. CODE  
\*\*\*\*

The lock will be operated and the following message will appear if the code is correct:

Go in  
Please

#### GENERIC DOOR OPENER CODES

The generic door opener codes can be used to directly open the door to residents and authorised persons. The call module is dimensioned to contain **up to eight generic door opener codes** for operating the electrical lock. The codes have four digits (no letter permitted). The eight generic door opener codes must be validated according to the time of day. The codes will operate the door lock only if the contact of the clock external to the module is open. Otherwise, the eight generic codes cannot be used to open the lock.

## PERSONAL DOOR OPENER CODES

A door opener code can be associated to each name. Other 250 door opener codes can be thus programmed in addition to the generic codes. These 250 door opener codes are not concerned by the clock contact.

## BUSY FUNCTION

This function is only required in systems with more than one calling device. This function is used to ensure that a conversation lasts sufficiently long following a call. The following message indicates busy status:

**LINE BUSY**  
Please wait

The keyboard is disabled during this time.

Two cases can occur:

### BUSY TIME BEFORE THE CALL USER GOES ON-HOOK

This is the maximum time for the user to lift the handset or open the door without losing the call after the ring.

### BUSY TIME AFTER USER GOES ON-HOOK

This is the minimum guaranteed conversation time from when the handset is lifted.

## ADDITIONAL INFORMATION

The following message will appear if the "Bus" is down:

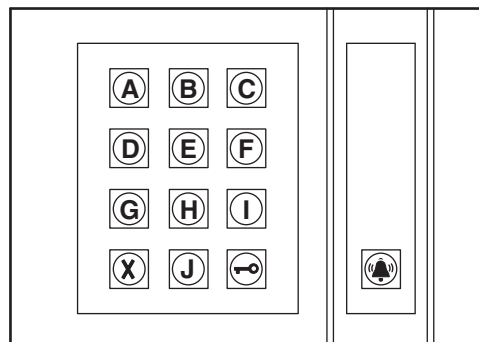
**NO CONNECTION**

A door opener code can be entered in this situation.

The firmware version and the revision date will appear for approximately one second when the display is switched on, e.g.:

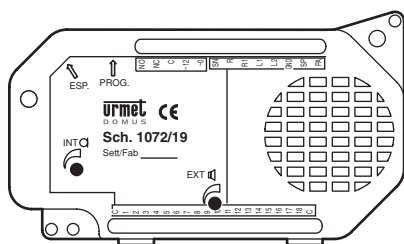
**Bibus System**  
**V1.0 10/10/01**

## ADDITIONAL ALPHABETIC KEYBOARD Ref. 1038/72



The additional alphabetic keyboard Ref. 1038/72 can be used to entered letters for dialling call codes. The device must be combined with a call module Ref. 1072/12 to which it is connected by means of the specific connection wire. In any case, the device must be arranged underneath (or by the side of) the call module.

## DOOR UNIT WITH DIGITISER Ref. 1072/19

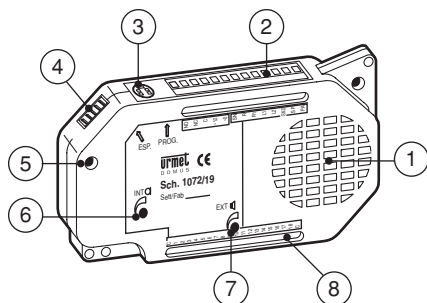


## PERFORMANCE

- Can be installed with Urmet Domus 725 two-row push-button panels.
- Can be installed with Urmet Domus KOMBI push-button panels.
- Can be installed with Urmet Domus AURA push-button panels.
- 18 user terminals directly connected to buttons.
- Connector for 16-user 1038/17 expansion module (refer to integrated system manual to connect expansion module 1072/16).
- Maximum four expansion modules (connected in series) for up to 82 user buttons in each door unit.
- Possibility of assigning alphanumeric call button code with letter prefix or suffix A-J.
- The digitiser is programmed by means of an external programming device 1072/60 which in turn must be connected to a push-button panel 1032/65.
- Electrical relay load control actuator with NC-C-NO outputs and programmable activation time, from 1 to 30s.
- Programmable door phone hang-up waiting time (10, 20, 30, 40s).
- Programmable minimum guaranteed conversation time (10, 20, 30, 40s).
- Maximum conversation time: 250s.
- Open door contact input.
- Hall button timed input.
- Acoustic call sent signal.
- Busy function signalled by busy tone when a button is pressed before busy time-out.
- Two trimmers for adjusting speaker and microphone volume.
- Optoisolated control signal management for video door phone systems.
- Possibility of programming a pre-set button for direct switchboard calls (day state only).

## STRUCTURE

The door unit with digitiser consists of the following parts:



- 1 Speaker.
- 2 Main terminal board.
- 3 Programming adapter connector 1072/60.
- 4 Expansion connector 1038/17.
- 5 Microphone.
- 6 Microphone volume adjustment.
- 7 Speaker volume adjustment.
- 8 Button terminal board.

## DESCRIPTION OF TERMINAL BOARDS

## Main terminal board (5 mm pitch)

- L1 bus line 1st wire.
- L2 bus line 2nd wire.
- ~0 relay power for electrical lock.
- ~12 relay power for electrical lock.
- C relay exchange electrical lock common contact.
- NC electrical lock relay normally closed contact.
- NO electrical lock relay normally open contact.
- PA hall door opener button input (normally open).
- SP open door sensor contact input (closed when door is closed).
- GND reference earth PA, SP.
- SN video power unit on signal for video systems.
- R video switching enable signal for video systems.
- R1 video power earth.

## Button terminal board (3.5mm pitch)

- P1-P18 user button inputs.
- C button reference earth.

## TECHNICAL SPECIFICATIONS

Stand-by consumption:	6.5mA max.
Active voice consumption:	40mA max.
Relay contact:	30V 2A
R signal:	I <sub>max</sub> =80mA
Working temperature range:	-10 +50°C
Humidity:	90% RH @ 30°C

## INSTALLATION


Refer to the integrated system technical manual for installation of digitiser Ref. 1072/19 and 16-user expansion modules 1038/17 with the various push-button panels. Up to 18 user buttons can be connected directly to the door unit. When a higher number of user is required, a 1038/17 expansion module can be connected. This allows the addition of 16 user buttons to the 18 basic buttons. Up to four expansion units can be connected to each door unit, for a total of 82 user buttons. Position two call units side by side if a station with more than 82 users is required. The door unit is programmed by default with a jumper between the earth and the "SP" signal to simulate the door closed contact. Remove the jumper and connect the sensor between GND and SP when the open door contact is required.

## PROGRAMMING

The door unit with digitiser can only be programmed with adapter 1072/60 to be inserted in the specific dedicated minidin connector. The programming adapter must be connected to the programming keyboard 1032/65. The system must be powered for programming. Insertion of the programming device is confirmed by two beeps.

Parameters can be programmed or reprogrammed in any order until the keyboard is extracted.

Two beeps will be heard to confirm data programming. A KO signal (two beeps, the second of which at a lower frequency) will be heard if the programming is not valid.


Repetitive beeps will be heard during programming if other modules with the same ID are present. Press the button  to silence the signal. You are advised to program the data in the following order for the sake of simplicity:

## SYSTEM TYPE

The digitiser can be configured as 1st edition or 2nd edition. **The digitiser must be programmed as 1st edition if there is even only one 1st edition device in the system (when replacing parts in old systems). The device must be programmed as 2nd edition when all the devices in the system are 2nd edition.**

Letter "M" identifies the type of system:

- press M1 ↵ to program 1st edition
- press M2 ↵ to program 2nd edition


The device will repeatedly beep if there are other modules with the same ID. Press button  to silence the signal.

## STATION TYPE

The digitiser can be configured as a main station or as a secondary station. A secondary digitiser can be used to send calls to internal stations in the riser but cannot be used to call the switchboard. **In the case of 1st edition systems, the digitiser will be automatically configured as a main station and should not be changed.**

Letter "I" identifies the type of station:

- press I0 ↵ to program the main station
- press I1 ↵ to program the secondary station

The device will repeatedly beep if there are other modules with the same ID. Press button  to silence the signal.

1st edition system: this programming is not required.

## CODE FORMAT

The digitiser can be used to call users with numeric codes (0001-9999), alphanumeric codes with alphabetic prefix (x000-x999) and alphanumeric codes with alphabetic suffix (000x-999x). Letters from A to J can be used.

Letter "F" identifies the type of programmable code:

- numeric code F1 ↵
- code with alphabetic prefix: F2 ↵
- code with alphabetic suffix: F3 ↵

1st edition system: this programming is not required.

## STATION NUMBER (ID)

A number from 1 to 12 is assigned to each main calling station. A number from 0 to 9 is assigned to each secondary station. The secondary number is in the range from A to J in systems with alphabetic prefix.

Letter "N" identifies the station number:

- x station number: Nx ↵

A to J programmed on a secondary station will automatically be reprogrammed as a prefix code format. ID from 0 to 9 on a secondary station will automatically be reprogrammed as a numeric code format.

1st edition system: the station number must be in the range from 1 to 12 (there are not secondary stations in the system). Assign F as station number to use the clone function.

## OFF-HOOK WAITING TIME

The off-hook waiting time is the maximum time of a call during which the user can answer the door phone. All other calling stations will be busy during this time. All devices in the system must have the same off-hook waiting time.

Letter "G" identifies the off-hook waiting time:

- 10s waiting time: G1 ↵
- 20s waiting time: G2 ↵
- 30s waiting time: G3 ↵
- 40s waiting time: G4 ↵

## MINIMUM CONVERSATION TIME (BUSY)

When a user is called and answers the door phone, all other call stations will be busy for the minimum programmed conversation time. A communication that has just started cannot be interrupted. All devices in the system must have the same minimum conversation time (busy time).

Letter "O" identifies the off-hook waiting time:

- 10s busy: O1 ↵
- 20s busy: O2 ↵
- 30s busy: O3 ↵
- 40s busy: O4 ↵

## DOOR LOCK ACTIVATION TIME

The relay controlling the door lock can be managed in pulse mode (approximately 600 ms) or stabile mode (from 1 to 30 s).

Letter "D" identifies the lock activation time:

- pulse: D00 ↵
- xy door: Dxy ↵ seconds

## CODE-BUTTON ASSOCIATION

This is the step in which user codes to be programmed are associated to each button connected to the digitiser.

The call code sequence is:

CxyzwPnm ↵

where xyzw is the user code and nm is the calling station button number.

The user code xyzw can have the following values:

- 0001-9999 for numeric code formats
- x000-x999 for alphabetic prefix code formats (x from A to J)
- 000x-999x for alphabetic suffix code formats (x from A to J)
- 0000 for direct calls to switchboard in day mode.

The button number nm depends on the position of the terminal to which it is connected according to the following table:

- 1-18: door unit with digitiser 1072/18
- 19-34: 1st expansion module
- 35-50: 2nd expansion module
- 51-66: 3rd expansion module
- 67-82: 4th expansion module

Once a code is programmed, press button ↵ to automatically program call code xyzw+1 on button nm+1. For example, the calling sequence C1000P01 ↵ ↵ will program code 1000 on button 01, code 1002 on button 02 and code 1002 on button 03.

1st edition system: this programming is not required.

## PROGRAMMING DOOR PHONES IN 2ND EDITION SYSTEMS

The door phone programming procedure consists of two steps:

- A. Door phone booking (to be made on a calling station)
- B. Door phone programming (to be made in the apartments).

### A: Door phone booking

- 1 Insert adapter 1072/60 in the specific minidin connector.
- 2 Press the user buttons to be associated with the door phones once. The booking sequence according to which the buttons are pressed must be the same as the order in which the operator will go to the apartments. DO NOT PRESS the switchboard call button (where fitted).
- 3 A beep will be heard after 15 seconds from last pressing a user button (end of booking).
- 4 Leave the adapter 1072/60 in the digitiser and go to the apartments to program the door phones.

### B: Door phone programming

- 1 Go to the first booked user, hold the button pressed and lift the door phone handset. Two confirmation beeps will be heard and the LED will flash to indicate that it has been programmed.
- 2 Go to the other booked users and repeat the operations.

Refer to the attached sheet to remember the code/button association sequence.

### SEQUENZA DI ASSOCIAZIONE ASSOCIATION SEQUENCE

N° DELLA POSTAZIONE (ID):   
CALL MODULE NUMBER (ID):

SEQ.	NOMINATIVO USER NAME	PULSANTE / CODICE PUSHBUTTON / CODE	PIANO FLOOR	VARIE VARIOUS
1				
2				
3				
4				
5				



**How to associate 2/3 door phones in parallel in 2nd edition systems**

To install two or three door phones in one apartment and make them both ring when a call is received, press the button related to the user twice or three times with the door phones in parallel when booking the door phones. When you reach the apartment where the parallel door phones are installed according to the programming sequence, repeat the programming sequence on both door phones.

**How to add a new user to a 2nd edition system**

Insert the programming adapter in the digitiser connector and program the user code of the button which will call the unit. Press this button to book programming and go to the user to program the door phone.

**DOOR PHONES PROGRAMMING IN 1st EDITION SYSTEMS**

The door phone programming sequence consists of two steps:

- Door phone booking (to be made on a calling station)
- Door phone programming (to be made in the apartments).

**A: Door phone booking**

- Insert adapter 1072/60 in the specific minidin connector.
- Press the user buttons to be associated with the door phones once. The booking sequence according to which the buttons are pressed must be the same as the order in which the operator will go to the apartments.
- A beep will be heard after 15 seconds from last pressing a user button (end of booking).
- Leave the adapter 1072/60 in the digitiser and go to the apartments to program the door phones.

**B: Door phone programming**

- Go to the first booked user, hold the button pressed and lift the door phone handset. Two confirmation beeps will be heard and the LED will flash to indicate that it has been programmed.
- Go to the other booked users and repeat the operations.

Refer to the attached sheet to remember the code/button association sequence.

**SEQUENZA DI ASSOCIAZIONE  
ASSOCIATION SEQUENCE**

N° DELLA POSTAZIONE (ID):  
CALL MODULE NUMBER (ID):

SEQ.	NOMINATIVO USER NAME	PULSANTE / CODICE PUSHBUTTON / CODE	PIANO FLOOR	VARIE VARIOUS
1				
2				
3				
4				
5				

**The entire operation (booking and programming) must be repeated for each digitiser in the system, unless the "Clone" function (see below) is used.**

**How to associate 2 door phones in parallel in 1st edition systems**

To install two door phones in one apartment and make them both ring when a call is received, press the button related to the user twice with the door phones in parallel when booking the door phones. When you reach the apartment where the parallel door phones are installed according to the programming sequence, repeat the programming sequence on both door phones.

**How to add a new user to a 1st edition system**

Insert the programming adapter in the specific digitiser connector. Press this button to book programming and go to the user to program the door phone.

**The entire operation (booking and programming) must be repeated for each digitiser in the system, unless the "Clone" function (see below) is used.**

**Using the "Clone" function**

A single association between calling stations and respective door phones can be made in 1st edition systems without switchboard and without door open signal function. The remaining calling stations must be clones of the first station (master) providing the wiring between push-button panel buttons, calling station terminals and expansion modules in the "Master" station is repeated exactly.

To enable this function:

- define the master station as address "1" (where to make the association).
- define all other stations as address "F".

**DEFAULT PROGRAMMING**

The device is pre-programmed as follows:

System type:	2nd edition
Station type:	main
Code format:	numeric (0001-9999)
Station number:	1
Off-hook waiting time:	20s
Busy time:	20s
Door opener time:	pulse
Button codes:	not programmed

To restore default values, insert the programming device and press the bs button for longer than three seconds until you hear a beep.

**VOLUME REGULATION**

Volume levels are calibrated by default so not to require adjustments in most cases.

Use a screwdriver to adjust the trimmers if required.

**CALLS**

Up to 82 users can be called by pressing the corresponding buttons on the push-button panels associated to the door unit with digitiser 1072/19.

Additionally, a concierge switchboard 1072/41 can be called, simply by pressing a call button associated to code 0000 during programming (day mode only). A courtesy tone, similar to that generated on a called door phone, will be heard.

**BUSY FUNCTION**

This function is only required in systems with more than one calling device. This function is used to ensure that a conversation lasts sufficiently long following a call. An intermittent beep will be heard on the speaker for the time before the busy time-out and the push-button panel will be disabled.

Two cases can occur:

**Busy time before the call user goes on-hook:**

This is the maximum time for the user to lift the handset or open the door without losing the call after the ring.

**Busy time after user goes on-hook:**

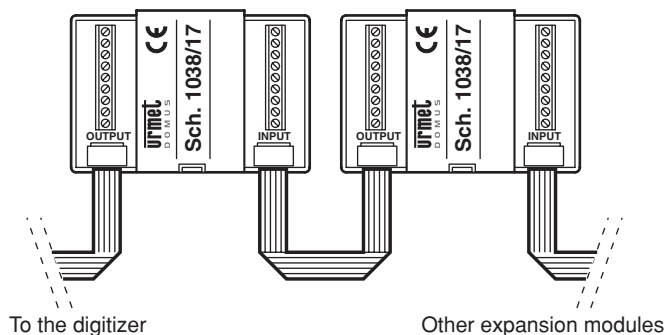
This is the minimum guaranteed conversation time from when the handset is lifted.

**TROUBLESHOOTING**

Establishing the cause of problems related to a door unit with digitiser 1072/19 is simple (e.g. no courtesy tone after a call button is pressed):

- short-circuit on push-button panel side (L1,L2);
- neither bus couplers are programmed as masters

## 16-PUSHBUTTON EXPANSION MODULE Ref. 1038/17

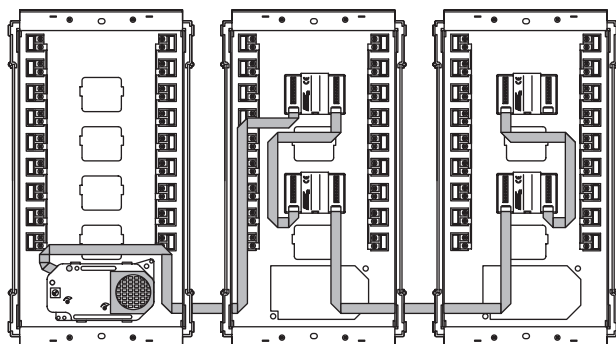


The extension module can be used to add 16 user buttons to the door unit.

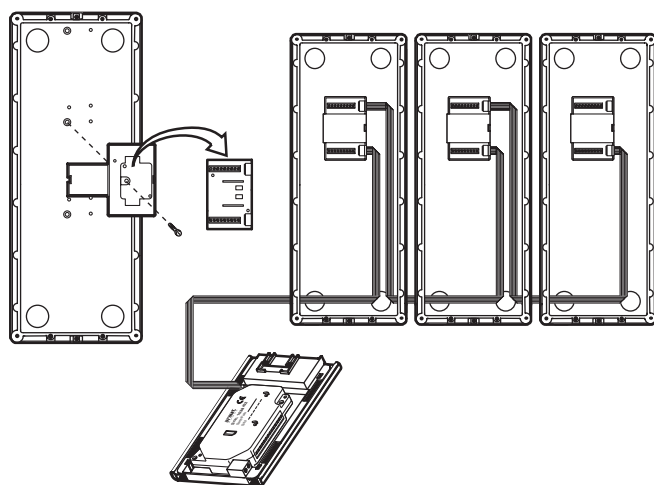
Arrange the device in a free bulb holder housing in 725 push-button panels. Alternatively, fasten onto the bottom of Kombi flush boxes or 20-button Aura artistic push-button panels, as shown in the following figure.

Connect the user buttons and connect the device to the door unit and to other extensions by means of the specific wire. Respect the connections and the holes in the flush mounting boxes.

### Mod. 725

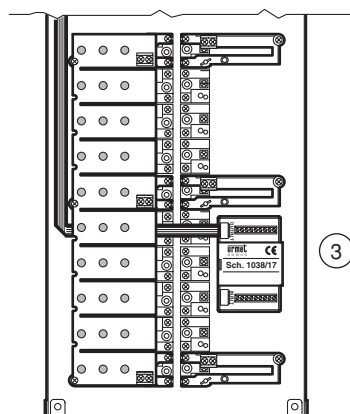
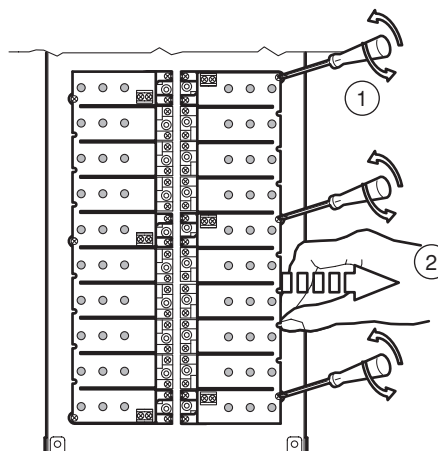


### Mod. KOMBI

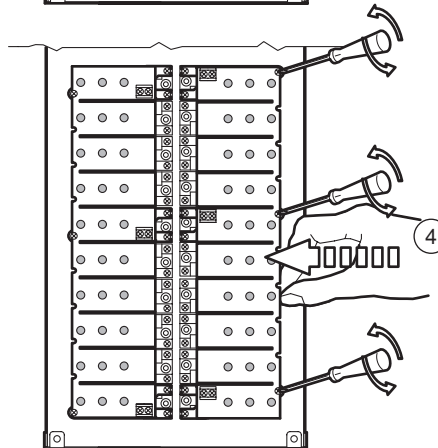


### DOMUS AURA model

For 20 button push-button panel only: Ref. 1110/220 (door phone) and Ref. 1710/220 (video door phone).



3 Fasten the device to the flush mounting box frame with the two-side adhesive tape provided.



## DESCRIPTION OF TERMINALS

GND	electrical reference earth for buttons 1-8
P1...P8	user buttons
GND	electrical reference earth for buttons 9-16
P9..P16	user buttons

## TECHNICAL SPECIFICATIONS

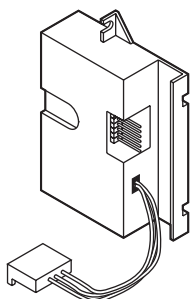
Consumption:	1mA Max
Current in user button:	~1mA
Working temperature range:	+0°C - +50°C
Humidity:	90% RH @ 30 °C

# ADAPTER DEVICE FROM COAXIAL TO 5 WIRE SYSTEM FOR TV CAMERA Ref. 1742/13

**BiBus** II ED.

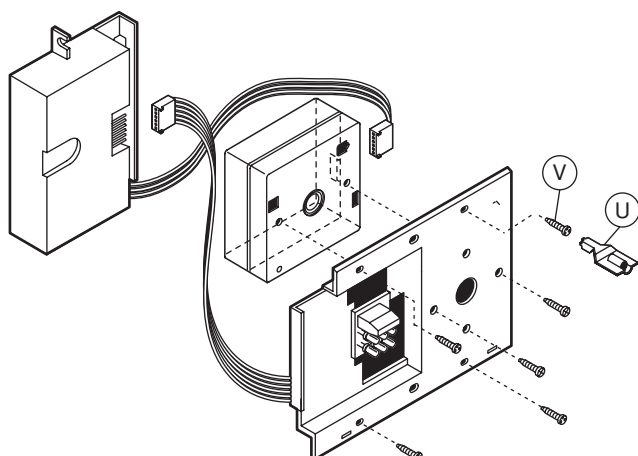
**urmet**  
DOMUS

## ADAPTER DEVICE FROM COAXIAL TO 5 WIRE SYSTEM FOR TV CAMERA Ref. 1742/13



This device is used to make Bibus video door phone systems regardless of the push-button panel used (725, 825, or Aura - 1710). It transforms the composite video signal from the camera into two different video signals (A and B).

## CAMERA UNIT ASSEMBLY INSTRUCTIONS Ref. 725



## INSTRUCTIONS FOR ASSEMBLY ON TV CAMERA MODULE WITH MANUAL PAN AND TILT Ref. 825/70-/79 AND Ref. 825/370

1. Insert the adapter device to the side of the TV camera unit and secure it with the screw provided (fig. 1).
2. Remove connector A from the TV camera module (fig. 2)
3. Insert connector A in the coupling of the device and connector B in the coupling of the TV camera (fig. 3).
4. Position the conductors inside the groove of the device (fig. 4).

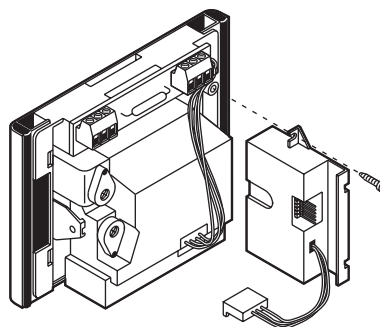


Fig. 1

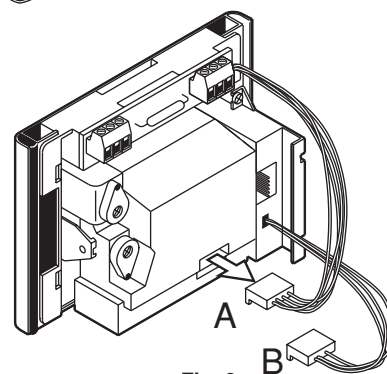


Fig. 2

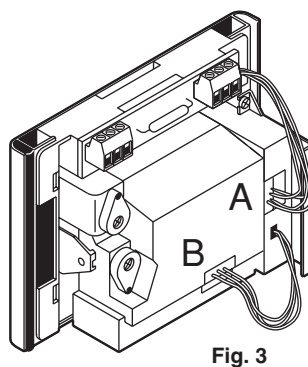


Fig. 3

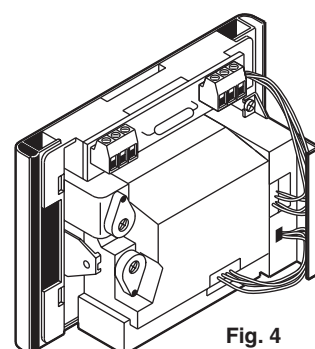
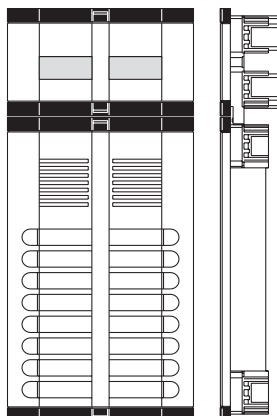


Fig. 4



## VIDEO OUTDOOR STATION Mod. 725



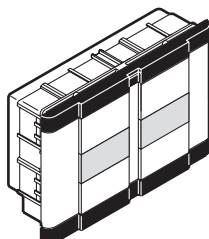
## CONFIGURATION

The CCD video outdoor station Mod. 725 is available in the following version:

- wall embedding

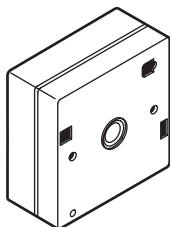
The Mod. 725 camera unit consists of:

- a camera with:
  - front push-button panel, flush mounting box and lights Ref. 725/602, width of front push-button panels 205 mm (four buttons), can be coupled with Mod. 725 push-button panels (from 4 to 28 buttons arranged on two rows);
  - CCD camera with lens Ref. 725/600-/609;
- Mod. 725 push-button panel arranged for inserting the door unit.



Ref. 725/602

## CCD TV CAMERA Ref. 725/600



Easy to insert and to remove from the embedding box, it is supplied complete of:

- TV camera with optics and incorporated shutter; the focus arrangement is fixed. Other lenses cannot be used;
- coupling for connection to the front plate.

Two types of TV camera units are available:

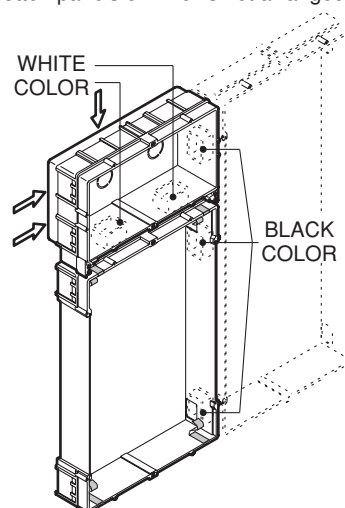
Ref. 725/600 (50Hz)

Ref. 725/609 (60 Hz)

## INSTALLATION

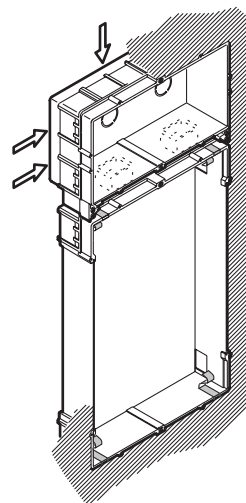
Join the embedding box of the TV camera unit with the push button panel embedding box by means of the white wire-spacers (supplied with the TV camera unit).

In case of coupling of 2 or more push button panels, couple the embedding boxes by means of the proper black wire-spacers supplied with the push button panels on 2 rows not arranged for L.U.

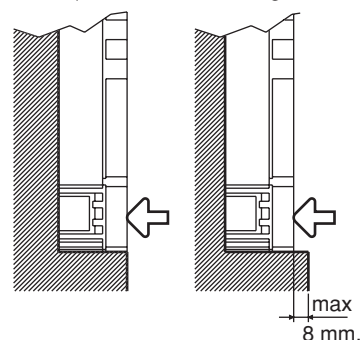


Wall the embedding boxes.

Check that the connection wires go out from the proper holes.



The embedding box must be wall-mounted on the level with the wall surface and must not protrude (max. final embedding allowed is 8 mm).



The wall surface, on which front plate rests, must be as flat as possible. The max. tolerance is 1.5 mm

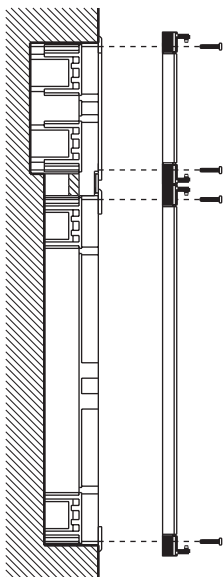
BiBus II ED.

## VIDEO OUTDOOR STATION Mod. 725

HOOD COVER Ref. 725/702

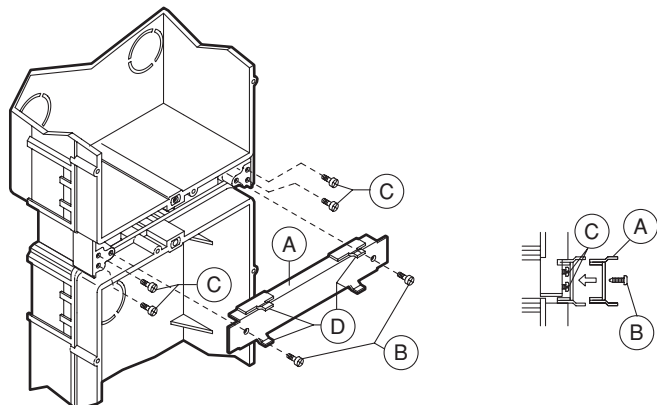
urmet  
DOMUS

During the walling phase apply the proper adhesive stamps on the holes from the frame fixing, to protect them from the lime.



Once the embedding boxes are walled, mount the "A" junction bracket by means of the proper screws "B" (see figure).

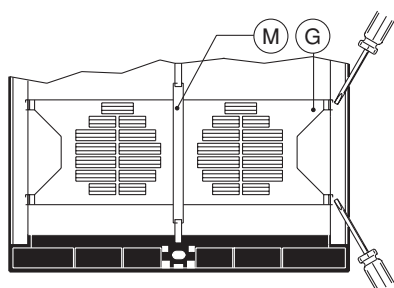
If the embedding boxes are mounted on irregular walls or on panels, to assure the perfect rest surface, screw and adjust the four "C" screws to obtain that the "A" junction bracket is perfectly lined to the wall.



Mount the button holder frame of the push button panel on the embedding box, by centering it with the "D" tongues.

**Attention:** As the loudspeaking unit and the grid must be mounted upwards (with URMET DOMUS inscription readable) it is necessary to rotate the same grid:

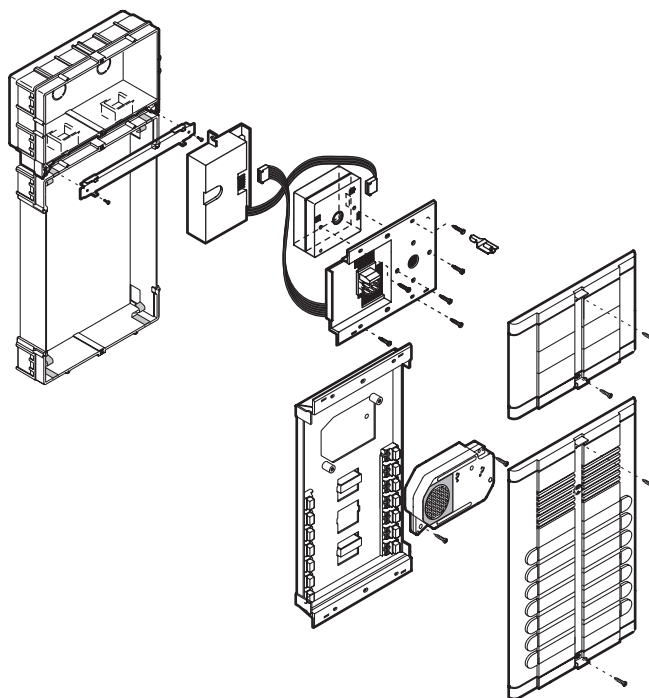
- remove the "M" spring;
- remove the "G" grid by means of a screwdriver;
- rotate the grid (up-down);
- carry out the inverse operations.



Engage the power connector on the camera. Fasten the camera to the camera unit by means of screws "V" (see "Camera - assembly" paragraph). Fit the camera unit frame and centre it carefully using tabs "D" on bracket "A", following a procedure similar to that used for fastening the button holder frame to the push-button panel.

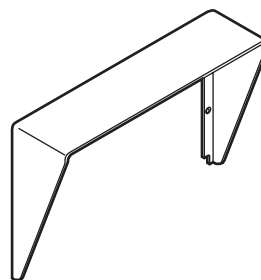
Fasten the camera unit with the 3 hole tamperproof screws "V" provided using screwdriver "U" (see "Camera - assembly" paragraph). Connect the terminal board of the TV camera unit.

Once the push button panel is connected to loudspeaking unit, lamps, switch buttons, fix the front panels of the push button panel and of the TV camera unit.



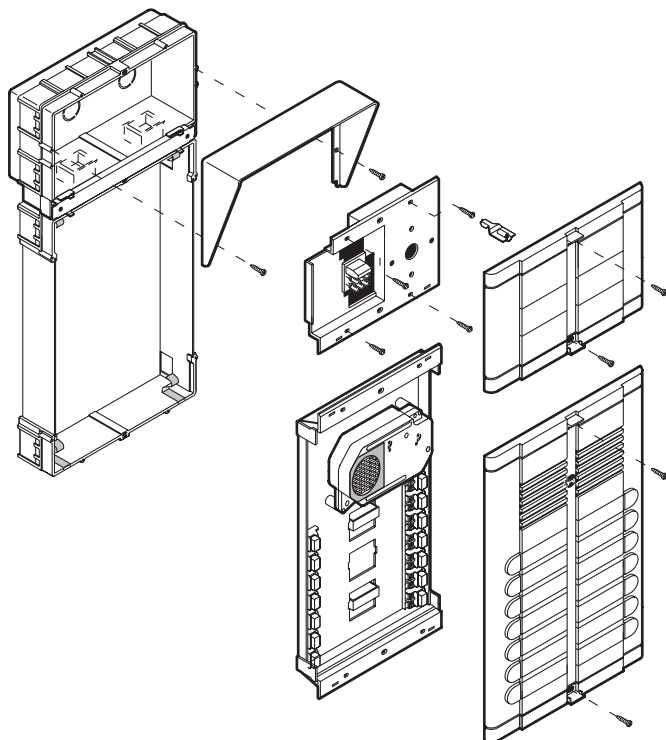
## HOOD COVER Ref. 725/702

A hood Ref. 725/702 is provided for two button row flush mounting version (for use with video push-button panel only).

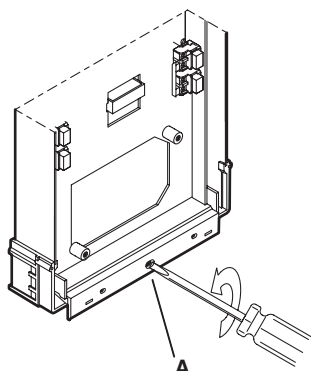


## HOOD COVER INSTALLATION

Once the embedding box is walled, position the hood cover and fix it to the housing by means of the two proper screws. Then mount the frame of the TV camera unit and push button panel.



Before embedding the box of the push button panel in the wall, it is advisable to remove the key-holder frame and lamp-holder. To detach the frame from the four supporting springs in the box, insert the tip of a screwdriver in slot A of the lower headstock and rotate by 90°.

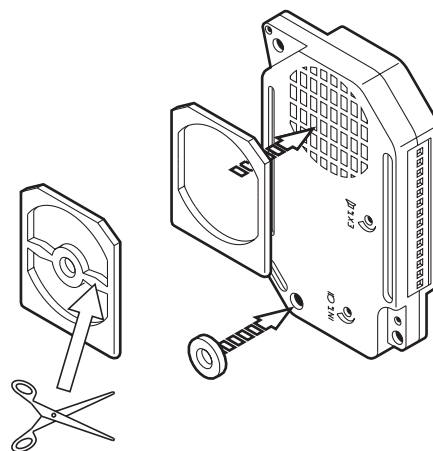


The 4 springs are designed to push the frame against the front panel so as to assure a constant gap between the control buttons of the front panel and matching keys of the frame.

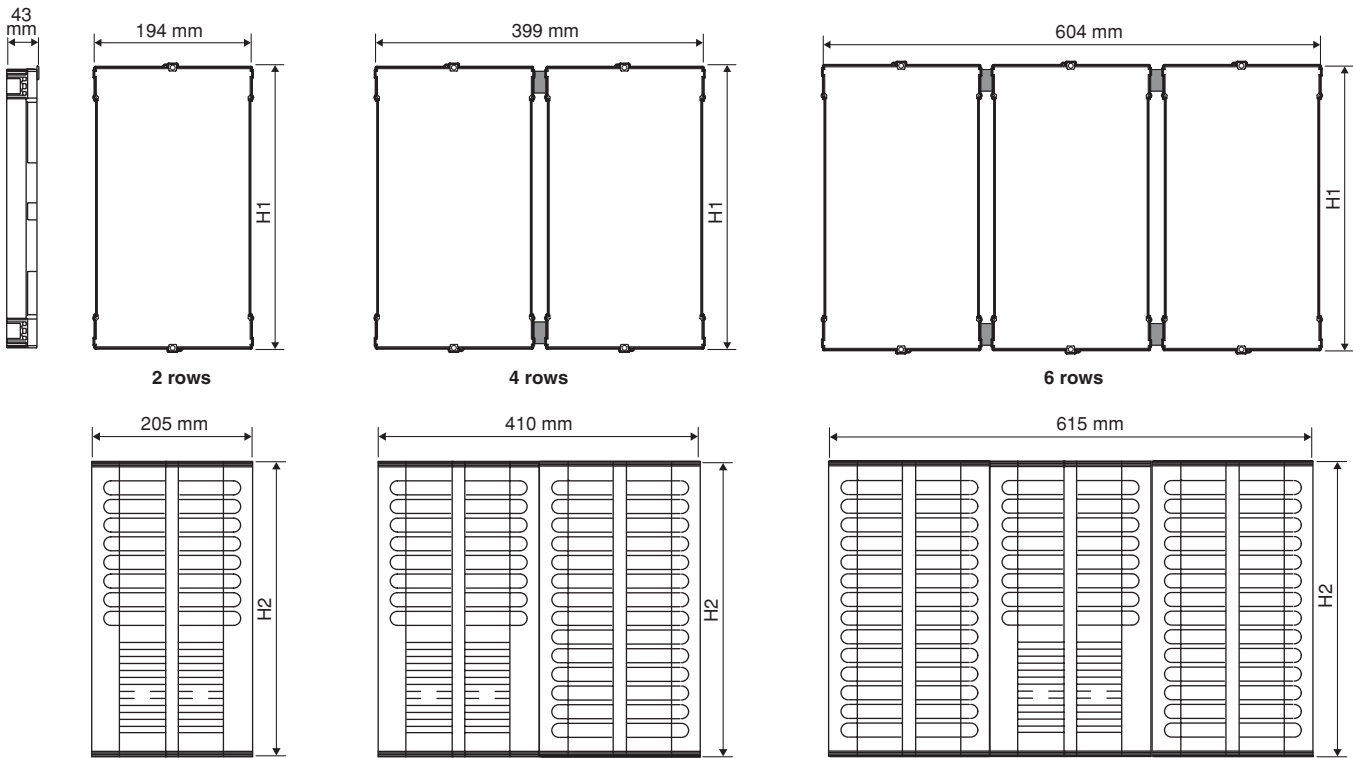
The frame must be re-inserted on the 4 springs during connection; the loudspeaking unit is then fastened to the frame.

Lastly, the front panel must be fixed to the frame with the specific screws provided.

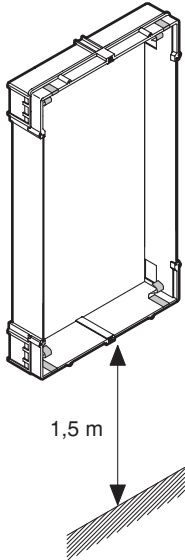
## CONTOURED SEAL ASSEMBLY ON DOOR UNIT WITH DIGITISER Ref. 1072/19



**Note:** Only fit adhesive rubbers on door unit with digitiser if a Mod. 725 push-button panel is installed.

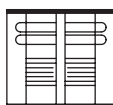
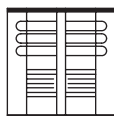
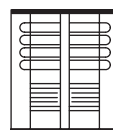
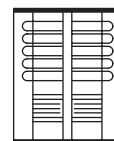


		2 rows	4 rows	6 rows	Dimensions height (mm)	
					flush H1	
					front H2	
Number of buttons		4			177	192
		6			201	216
		8			225	240
		10			249	264
		12	32		273	288
		14	36		297	312
		16	40		321	336
		18	44	70	345	360
		20	48	76	369	384
		22	52	82	393	408
		24	56		417	432
		26	60		441	456
Dimensions width (mm)		flush	194	399	604	
		front	205	410	615	

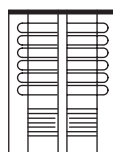
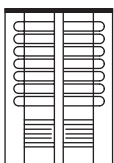
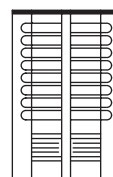
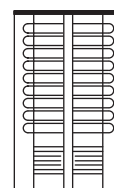


Note: Position the lower edge of the push-button panel at a height of approximately 1.50 metres from the floor.

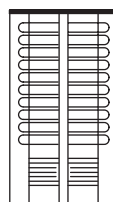
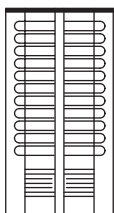
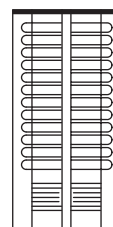
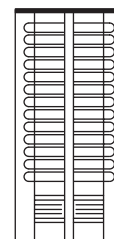
(\*): alternatives


**4**

**6**

**8**

**10**

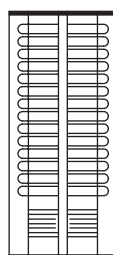
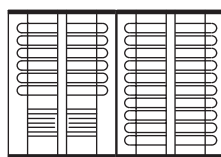
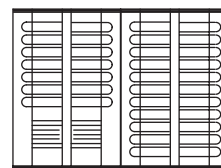
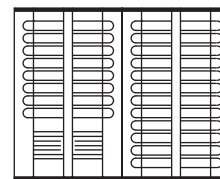
Door unit with digitiser	1072/19	1072/19	1072/19	1072/19
16-users expansion module	-	-	-	-
Buttons set up for door unit	725/204	725/206	725/208	725/210
Buttons not set up for door unit	-	-	-	-
(*) Flush mounting frame	725/62	725/63	725/64	725/65
(*) Wall mounting box with hood	725/721	725/721	725/721	725/721


**12**

**14**

**16**

**18**

Door unit with digitiser	1072/19	1072/19	1072/19	1072/19
16-users expansion module	-	-	-	-
Buttons set up for door unit	725/212	725/214	725/216	725/218
Buttons not set up for door unit	-	-	-	-
(*) Flush mounting frame	725/66	725/67	725/68	725/69
(*) Wall mounting box with hood	725/722	725/722	725/722	725/722


**20**

**22**

**24**

**26**

Door unit with digitiser	1072/19	1072/19	1072/19	1072/19
16-users expansion module	1 x 1038/17	1 x 1038/17	1 x 1038/17	1 x 1038/17
Buttons set up for door unit	725/220	725/222	725/224	725/226
Buttons not set up for door unit	-	-	-	-
(*) Flush mounting frame	725/70	725/71	725/72	725/73
(*) Wall mounting box with hood	725/722	725/722	725/722	-


**28**

**32**

**36**

**40**

Door unit with digitiser	1072/19	1072/19	1072/19	1072/19
16-users expansion module	1 x 1038/17	1 x 1038/17	2 x 1038/17	2 x 1038/17
Buttons set up for door unit	725/228	725/212	725/214	725/216
Buttons not set up for door unit	-	725/020	725/022	725/024
(*) Flush mounting frame	725/74	-	-	-
(*) Wall mounting box with hood	-	-	-	-

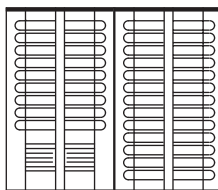
# PUSH-BUTTON PANEL Ref. 725 DOOR PHONE SYSTEMS

**BiBus** II ED.

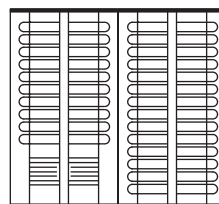
MODULAR EXAMPLES FOR VARIOUS CAPACITIES

**urmet**  
DOMUS

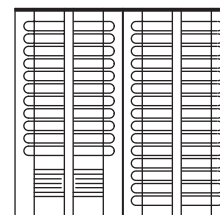
(\*): alternatives



**44**

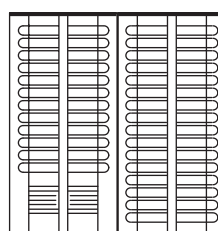


**48**

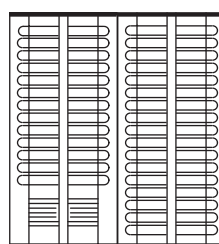


**52**

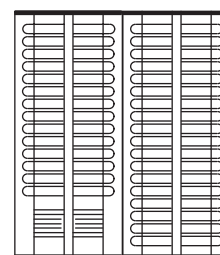
Door unit with digitiser	1072/19	1072/19	1072/19
16-users expansion module	2 x 1038/17	2 x 1038/17	3 x 1038/17
Buttons set up for door unit	725/218	725/220	725/222
Buttons not set up for door unit	725/026	725/028	725/030
(*) Flush mounting frame	-	-	-
(*) Wall mounting box with hood	-	-	-



**56**

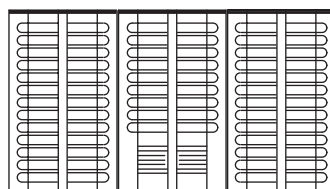


**60**

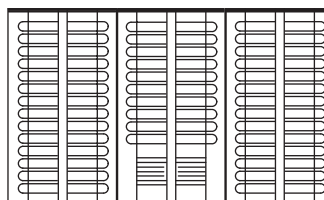


**64**

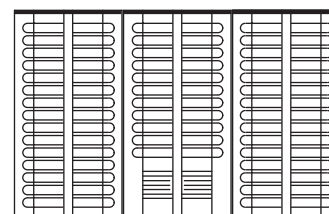
Door unit with digitiser	1072/19	1072/19	1072/19
16-users expansion module	3 x 1038/17	3 x 1038/17	3 x 1038/17
Buttons set up for door unit	725/224	725/226	725/228
Buttons not set up for door unit	725/032	725/034	725/036
(*) Flush mounting frame	-	-	-
(*) Wall mounting box with hood	-	-	-



**70**

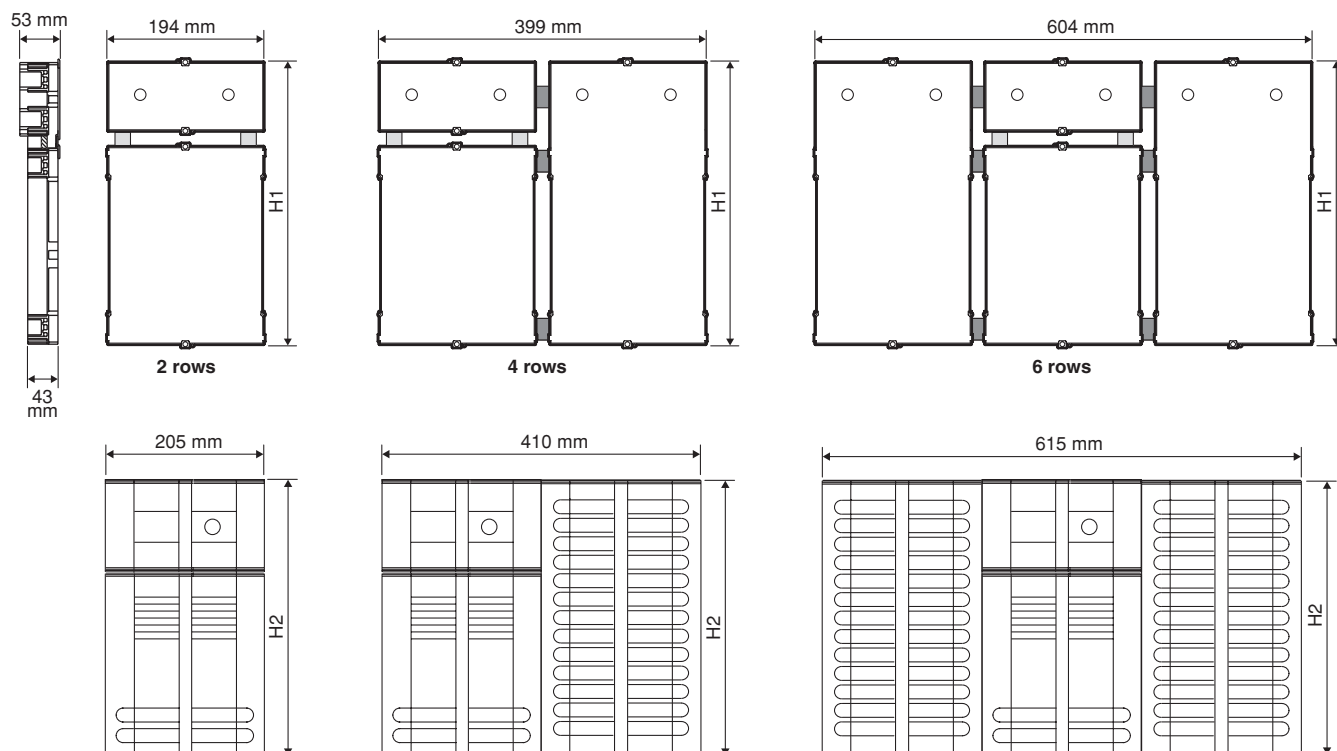


**76**

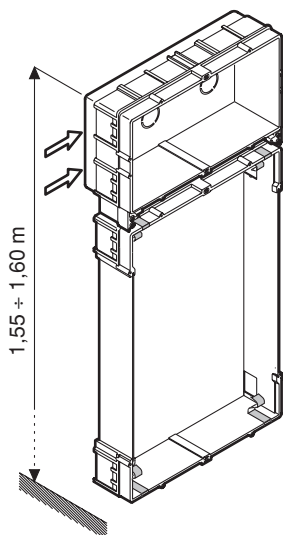


**82**

Door unit with digitiser	1072/19	1072/19	1072/19
16-users expansion module	4 x 1038/17	4 x 1038/17	4 x 1038/17
Buttons set up for door unit	725/218	725/220	725/222
Buttons not set up for door unit	2 x 725/026	2 x 725/028	2 x 725/030
(*) Flush mounting frame	-	-	-
(*) Wall mounting box with hood	-	-	-



		2 rows	4 rows	6 rows	Dimensions height (mm)	
					flush H1	front H2
Number of buttons		4			297	312
		6	30		321	336
		8	34	60	345	360
		10	38	66	369	384
		12	42	72	393	408
		14	46	78	417	432
		16	50	max. 82	441	456
		18	54		465	480
		20			489	504
		22			513	528
		24			537	552
		26			561	576
		28			585	600
Dimensions						
width (mm)						
flush		194	399	604		
front		205	410	615		

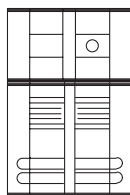


**Note:** position the button so that the upper edge of the camera unit flush mounting box is at a height of approximately 1.50-1.60 metres from the ground.

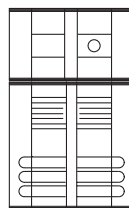
# CAMERA UNIT 725 VIDEO DOOR PHONE SYSTEMS

MODULAR EXAMPLES FOR VARIOUS CAPACITIES

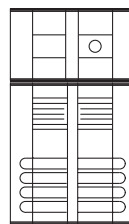
(\*): alternatives



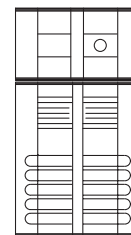
4



6

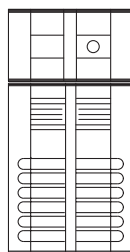


8

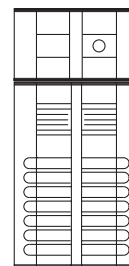


10

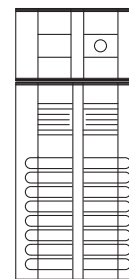
Door unit with digitiser	1072/19	1072/19	1072/19	1072/19
16-users expansion module	-	-	-	-
Camera	725/600	725/600	725/600	725/600
p/camera adapter for 5-wire systems	1742/13	1742/13	1742/13	1742/13
Front unit	725/602	725/602	725/602	725/602
Push-button panel	725/204	725/206	725/208	725/210
(*) Flush mounting frame	725/67	725/68	725/69	725/70
(*) Hood	725/702	725/702	725/702	725/702



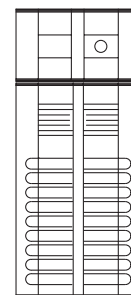
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14

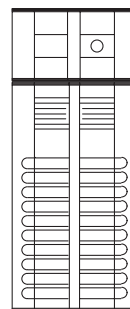


16

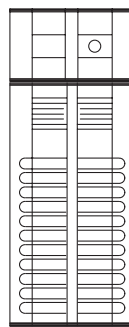


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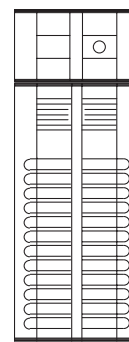
Door unit with digitiser	1072/19	1072/19	1072/19	1072/19
16-users expansion module	-	-	-	-
Camera	725/600	725/600	725/600	725/600
p/camera adapter for 5-wire systems	1742/13	1742/13	1742/13	1742/13
Front unit	725/602	725/602	725/602	725/602
Push-button panel	725/212	725/214	725/216	725/218
(*) Flush mounting frame	725/71	725/72	725/73	725/74
(*) Hood	725/702	725/702	725/702	725/702



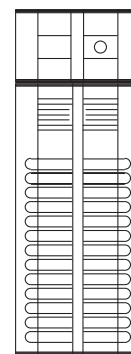
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22



24

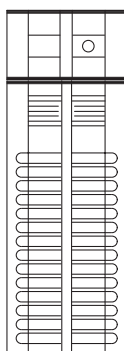
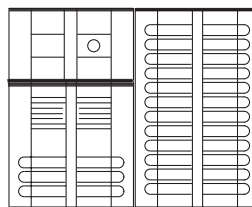
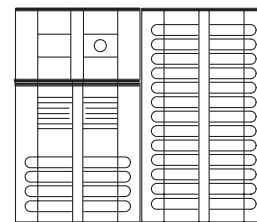


26

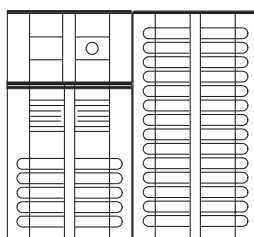
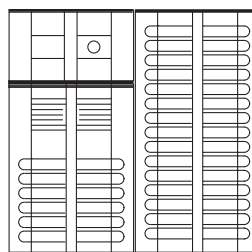
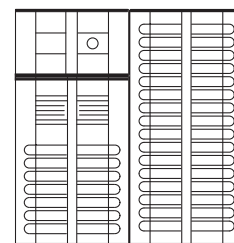
Door unit with digitiser	1072/19	1072/19	1072/19	1072/19
16-users expansion module	1 x 1038/17	1 x 1038/17	1 x 1038/17	1 x 1038/17
Camera	725/600	725/600	725/600	725/600
p/camera adapter for 5-wire systems	1742/13	1742/13	1742/13	1742/13
Front unit	725/602	725/602	725/602	725/602
Push-button panel	725/220	725/222	725/224	725/226
(*) Flush mounting frame	-	-	-	-
(*) Hood	725/702	725/702	725/702	725/702



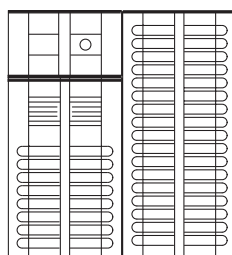
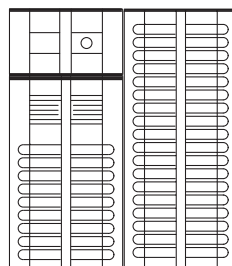
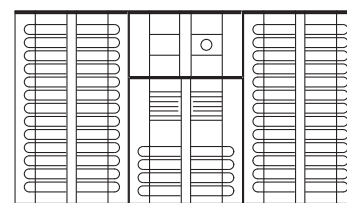
(\*): alternatives


**28**

**30**

**34**

Door unit with digitiser	1072/19	1072/19	1072/19
16-users expansion module	1 x 1038/17	1 x 1038/17	1 x 1038/17
Camera	725/600	725/600	725/600
p/camera adapter for 5-wire systems	1742/13	1742/13	1742/13
Front unit	725/602	725/602	725/602
Push-button panel	725/228	1 x 725/206 - 1 x 725/024	1 x 725/208 - 1 x 725/026
(*) Flush mounting frame	-	-	-
(*) Hood	725/702	-	-


**38**

**42**

**46**

Door unit with digitiser	1072/19	1072/19	1072/19
16-users expansion module	2 x 1038/17	2 x 1038/17	2 x 1038/17
Camera	725/600	725/600	725/600
p/camera adapter for 5-wire systems	1742/13	1742/13	1742/13
Front unit	725/602	725/602	725/602
Push-button panel	1 x 725/210 - 1 x 725/028	1 x 725/212 - 1 x 725/030	1 x 725/214 - 1 x 725/032
(*) Flush mounting frame	-	-	-
(*) Hood	-	-	-

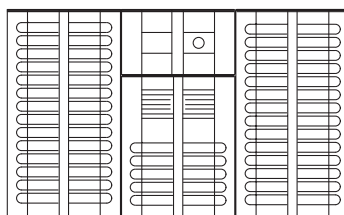
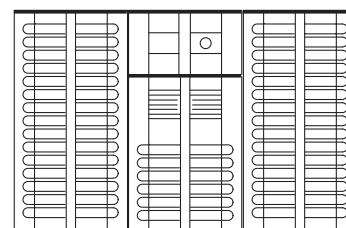

**50**

**54**

**60**

Door unit with digitiser	1072/19	1072/19	1072/19
16-users expansion module	2 x 1038/17	3 x 1038/17	3 x 1038/17
Camera	725/600	725/600	725/600
p/camera adapter for 5-wire systems	1742/13	1742/13	1742/13
Front unit	725/602	725/602	725/602
Push-button panel	1 x 725/216 - 1 x 725/034	1 x 725/218 - 1 x 725/036	1 x 725/208 - 2 x 725/026
(*) Flush mounting frame	-	-	-
(*) Hood	-	-	-

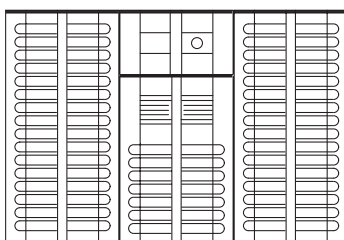
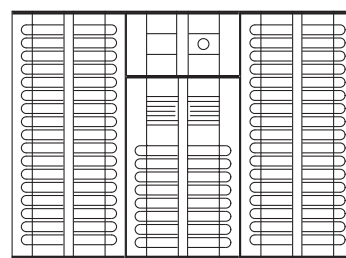
# CAMERA UNIT 725 VIDEO DOOR PHONE SYSTEMS

MODULAR EXAMPLES FOR VARIOUS CAPACITIES

(\*): alternatives

**66****72**

Door unit with digitiser	1072/19	1072/19
16-users expansion module	3 x 1038/17	4 x 1038/17
Camera	725/600	725/600
p/camera adapter for 5-wire systems	1742/13	1742/13
Front unit	725/602	725/602
Push-button panel	1 x 725/210 - 2 x 725/028	1 x 725/212 - 2 x 725/030
(*) Flush mounting frame	-	-
(*) Hood	-	-

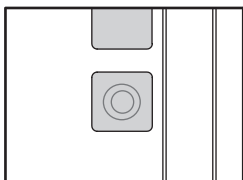
**78****max. 82**

Door unit with digitiser	1072/19	1072/19
16-users expansion module	4 x 1038/17	4 x 1038/17
Camera	725/600	725/600
p/camera adapter for 5-wire systems	1742/13	1742/13
Front unit	725/602	725/602
Push-button panel	1 x 725/214 - 2 x 725/032	1 x 725/216 - 2 x 725/034
(*) Flush mounting frame	-	-
(*) Hood	-	-

## CAMERA UNIT MODULES FOR KOMBI PUSH-BUTTON PANELS Ref. 825/70-79

The following camera units can be used in Bibus video door phone systems:

- Ref. 825/70 for 50 Hz network frequency;
- Ref. 825/79 for 60 Hz network frequency.



## PERFORMANCE

Characteristics of the device are:

- fixed focus CCD camera with built-in optics and lens;
- subject lighting using infrared LED diodes;
- possibility of adjusting camera lens vertically and horizontally.

## DESCRIPTION OF TERMINAL BOARDS

R2	camera power positive input
R1	camera power negative input
A	differential video signal output (negative)
B	differential video signal output (positive)
T	camera on control

## CALLING STATIONS FOR KOMBI PUSH-BUTTON PANELS Mod. 825

## INSTALLATION

### FLUSH WALL MOUNTED VERSION

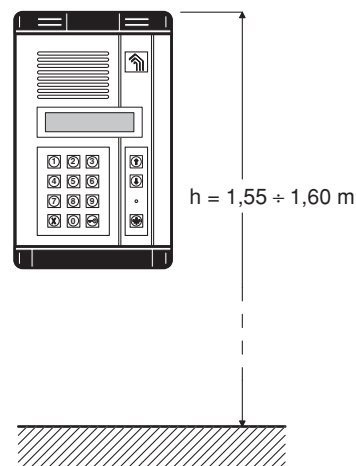
The calling module Ref. 1072/12 (with repertory) can be used alone or in combination with camera unit Ref. 825/70-79 and/or alphabet keyboard add-on Ref. 1038/72.

See examples of modular constructions using 2, 3 or 4 module holder frames with respective flush mounting boxes.

The door unit module should be flush mounted at a height of approximately 1.55 metres.

### Important

The module should not be illuminated from behind to make the calling module display easier to read. Never direct the module towards strong sources of light (e.g. the sun, lampposts, light bulbs, flashes or glare).



Fit the flush mounting box in line with the wall: it must not project. Fasten the screws in the specifically provided holes to bring the head in line with the wall if the box is too deeply embedded. This will prevent distorting the lower module holder frame head (fig. 1).

Fasten the calling module by fastening the lower head first (fig. 2) and upper head later (fig. 3) after installing the flush mounting box.

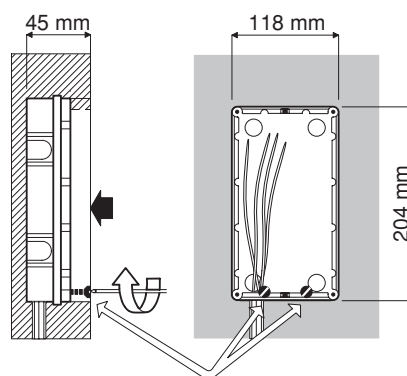


Fig. 1

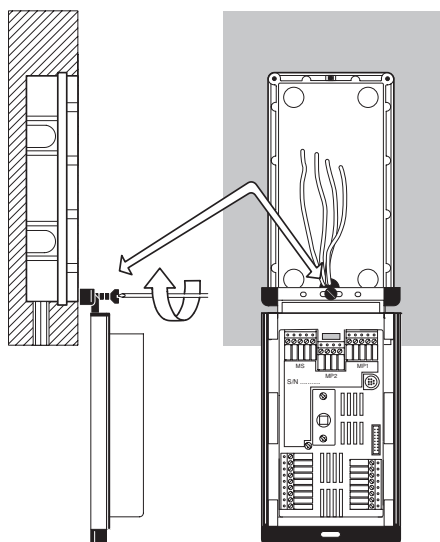


Fig. 2

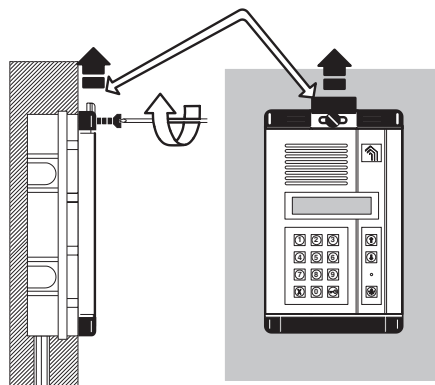
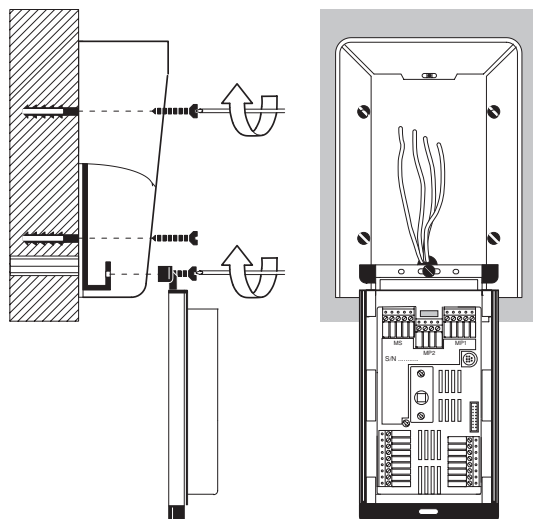


Fig. 3

### FLUSH WALL MOUNTED VERSION WITH CASE AND HOOD Ref. 825/52

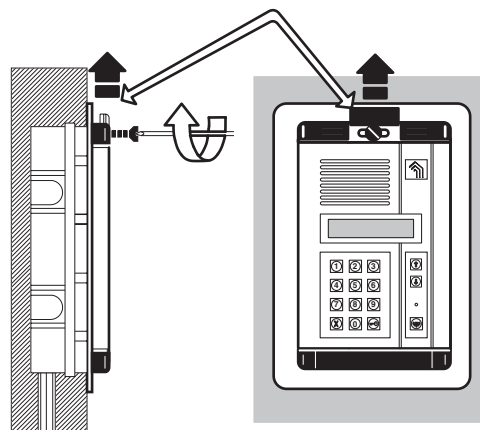
The case is provided with frame and module holder.  
Fasten the hood to the wall by means of three bolts.  
Arrange the hole for passing the wires through the lower area of the casing and the head.  
Fasten the lower head of the module holder after fitting the frame between the casing and the head.  
Close the plate and fasten the upper head to the casing.



### ACCESSORY INSTALLATION

#### FLUSH MOUNTED VERSION WITH WALL COVER FRAME Ref. 825/32

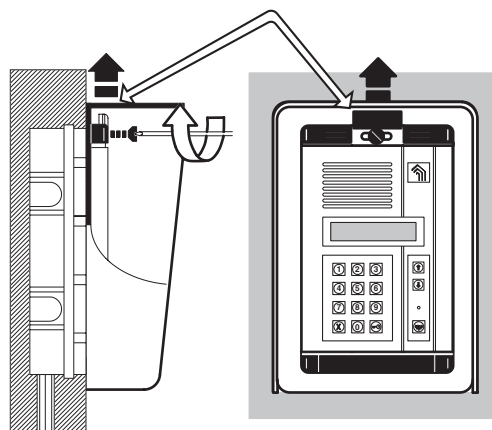
Embed the flush mounting box in the wall, position the wall cover frame and fasten the module holder lower head.



#### FLUSH WALL MOUNTED VERSION WITH WATERPROOF HOOD Ref. 825/42

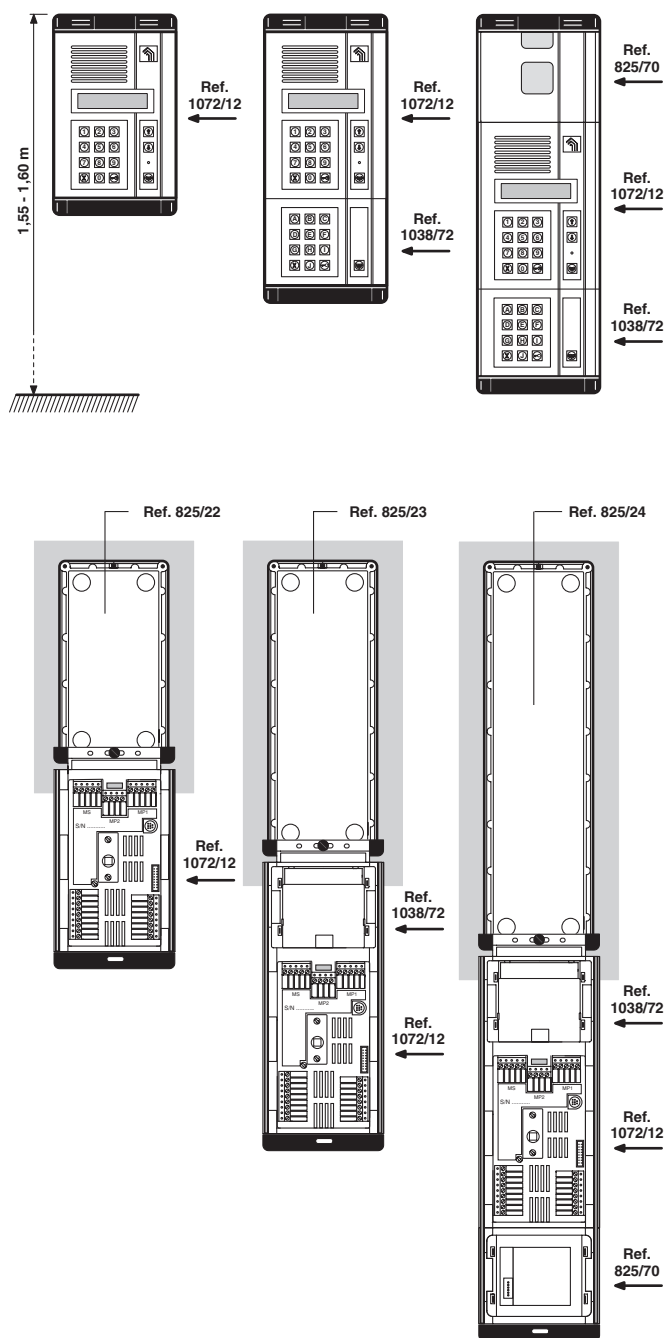
Embed the flush mounting box in the wall, position the waterproof hood and fasten the module holder lower head.

Fasten the lower side of the flush mounting box using the two screws provided for this purpose so that the head projects from the wall by approximately 2 mm to prevent distortion and compensate for the difference in level with the lower resting edge of the waterproof hood. Then fasten the upper head of the module holder to the flush mounting box to finish fastening the hood.



## EXAMPLES OF MODULAR CONSTRUCTIONS

Recommended calling module constructions are shown below.



# KOMBI PUSH-BUTTON PANEL Ref. 825 DOOR PHONE SYSTEMS

**BiBus** II ED.

## DIMENSIONS

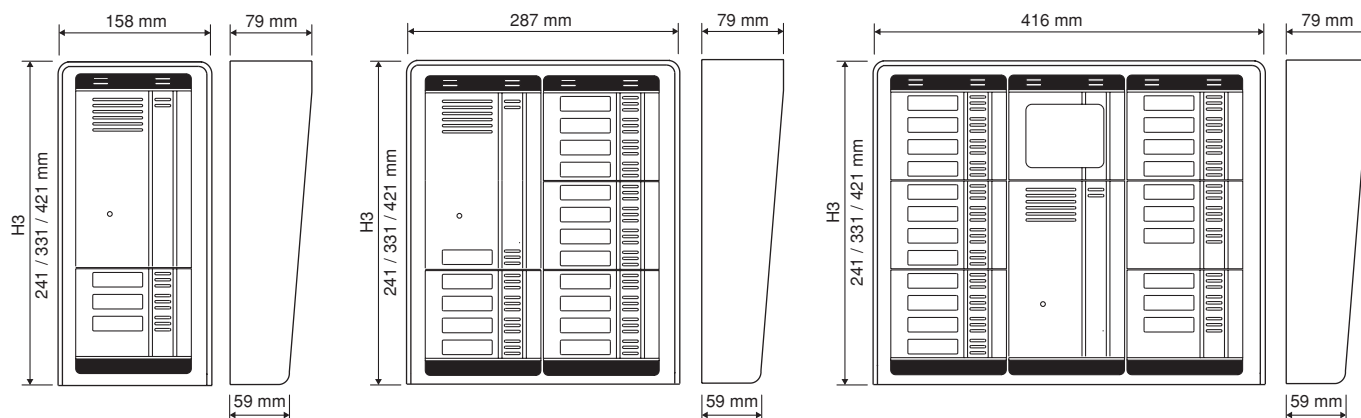
**urmet**  
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### FLUSH MOUNTED



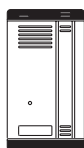
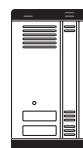
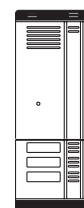
**Note:** H1= 204, 294, 384 indicates flush mounting height and H2= 213, 303, 393 indicates to total height relative to 2, 3 and 4 module versions.

### WALL MOUNTED

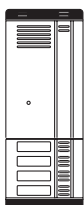
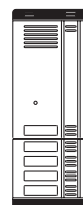


**Note:** H3= 241, 331, 421 indicates total height relative to 2, 3, and 4 module versions.

(\*): alternatives  
flush mounting box,  
flush mounting box and frame,  
flush mounting box and hood.

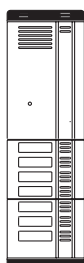

**1**

**2**

**3**

	Door unit with digitiser	1072/19		1072/19		1072/19	
	Door unit modules	825/16		825/17		825/15	
	Button modules	-		-		825/203	
	Repertory module	-		-		-	
16-user expansion module		-		-		-	
FLUSH MOUNTED	Flush mounting box with module holder frames	825/22		825/22		825/23	
ACCESSORIES FLUSH MOUNTED	Frame and wall cover	825/32		825/32		825/33	
	Waterproof hood with wall cover frame	825/42		825/42		825/43	
WALL MOUNTED	(*) Casing and hood with frame and module holders	825/52		825/52		825/53	


**4**

**5**

**6**

	Door unit with digitiser	1072/19		1072/19		1072/19	
	Door unit modules	825/15		825/16		825/17	
	Button modules	825/204		825/204		825/204	
	Repertory module	-		-		-	
16-user expansion module		-		-		-	
FLUSH MOUNTED	Flush mounting box with module holder frames	825/23		825/23		825/23	
ACCESSORIES FLUSH MOUNTED	Frame and wall cover	825/33		825/33		825/33	
	Waterproof hood with wall cover frame	825/43		825/43		825/43	
WALL MOUNTED	(*) Casing and hood with frame and module holders	825/53		825/53		825/53	


**7**

**8**

**9**

	Door unit with digitiser	1072/19		1072/19		1072/19	
	Door unit modules	825/15		825/15		825/16	
	Button modules	1 x 825/203 - 1 x 825/204		2 x 825/204		2 x 825/204	
	Repertory module	-		-		-	
16-user expansion module		-		-		-	
FLUSH MOUNTED	Flush mounting box with module holder frames	825/24		825/24		825/24	
ACCESSORIES FLUSH MOUNTED	Frame and wall cover	825/404		825/404		825/404	
	Waterproof hood with wall cover frame	825/441		825/441		825/441	
WALL MOUNTED	(*) Casing and hood with frame and module holders	825/541		825/541		825/541	



# KOMBI PUSH-BUTTON PANEL Ref. 825 DOOR PHONE SYSTEMS

**BiBus** II ED.

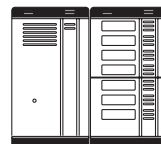
## EXAMPLES OF MODULAR CONSTRUCTIONS WITH VARIOUS CAPACITIES

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DOMUS

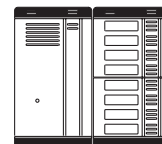
(\*): alternatives  
flush mounting box,  
flush mounting box and frame,  
flush mounting box and hood.



10

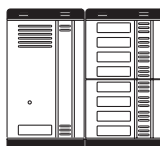


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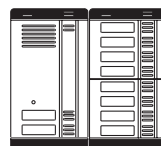


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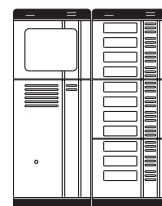
	Door unit with digitiser	1072/19		1072/19		1072/19	
	Door unit modules	825/17		825/15		825/15	
	Button modules	Repertory module	2 x 825/204	-	1 x 825/203 - 1 x 825/204	-	2 x 825/204
	16-user expansion module	-		-		-	
FLUSH MOUNTED	Flush mounting box with module holder frames	825/24		2 x 825/22		2 x 825/22	
ACCESSORIES FLUSH MOUNTED	Frame and wall cover	825/404		825/34		825/34	
	Waterproof hood with wall cover frame	825/441		825/44		825/44	
WALL MOUNTED	(*) Casing and hood with frame and module holders	825/541		825/54		825/54	



9

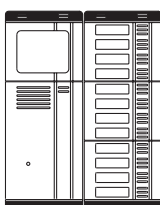


10

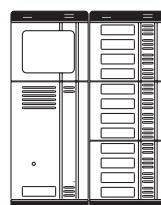


11

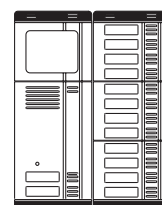
	Door unit with digitiser	1072/19		1072/19		1072/19	
	Door unit modules	825/16		825/17		825/15	
	Button modules	Repertory module	2 x 825/204	-	2 x 825/204	-	1 x 825/203 - 2 x 825/204
	16-user expansion module	-		-		825/5	
FLUSH MOUNTED	Flush mounting box with module holder frames	2 x 825/22		2 x 825/22		2 x 825/23	
ACCESSORIES FLUSH MOUNTED	Frame and wall cover	825/34		825/34		825/36	
	Waterproof hood with wall cover frame	825/44		825/44		825/46	
WALL MOUNTED	(*) Casing and hood with frame and module holders	825/54		825/54		825/56	



12



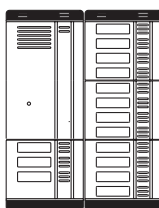
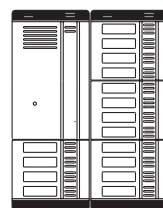
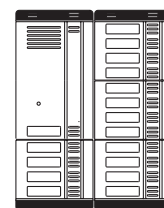
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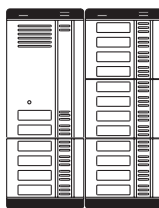
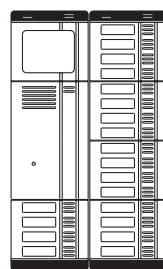
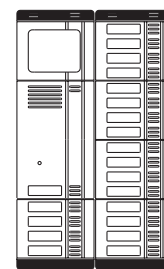
14

	Door unit with digitiser	1072/19		1072/19		1072/19	
	Door unit modules	825/15		825/16		825/17	
	Button modules	Repertory module	3 x 825/204	825/5	3 x 825/204	825/5	3 x 825/204
	16-user expansion module	-		-		825/5	
FLUSH MOUNTED	Flush mounting box with module holder frames	2 x 825/23		2 x 825/23		2 x 825/23	
ACCESSORIES FLUSH MOUNTED	Frame and wall cover	825/36		825/36		825/36	
	Waterproof hood with wall cover frame	825/46		825/46		825/46	
WALL MOUNTED	(*) Casing and hood with frame and module holders	825/56		825/56		825/56	

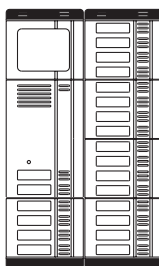
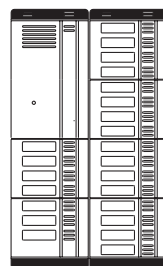
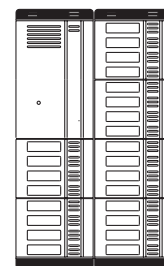
(\*): alternatives  
flush mounting box,  
flush mounting box and frame,  
flush mounting box and hood.


**15**

**16**

**17**

	Door unit with digitiser	1072/19		1072/19		1072/19	
	Door unit modules	825/15		825/15		825/16	
	Button modules	1 x 825/203 - 3 x 825/204		4 x 825/204		4 x 825/204	
	Repertory module	-		-		-	
	16-user expansion module	-		-		-	
FLUSH MOUNTED	Flush mounting box with module holder frames	2 x 825/23		2 x 825/23		2 x 825/23	
ACCESSORIES FLUSH MOUNTED	Frame and wall cover	825/36		825/36		825/36	
	Waterproof hood with wall cover frame	825/46		825/46		825/46	
WALL MOUNTED	(*) Casing and hood with frame and module holders	825/56		825/56		825/56	


**18**

**20**

**21**

	Door unit with digitiser	1072/19		1072/19		1072/19	
	Door unit modules	825/17		825/15		825/16	
	Button modules	4 x 825/204		5 x 825/204		5 x 825/204	
	Repertory module	-		825/5		825/5	
	16-user expansion module	-		1 x 1038/17		1 x 1038/17	
FLUSH MOUNTED	Flush mounting box with module holder frames	2 x 825/23		2 x 825/24		2 x 825/24	
ACCESSORIES FLUSH MOUNTED	Frame and wall cover	825/36		825/408		825/408	
	Waterproof hood with wall cover frame	825/46		825/442		825/442	
WALL MOUNTED	(*) Casing and hood with frame and module holders	825/56		825/542		825/542	


**22**

**23**

**24**

	Door unit with digitiser	1072/19		1072/19		1072/19	
	Door unit modules	825/17		825/15		825/15	
	Button modules	5 x 825/204		1 x 825/203 - 5 x 825/204		6 x 825/204	
	Repertory module	825/5		-		-	
	16-user expansion module	1 x 1038/17		1 x 1038/17		1 x 1038/17	
FLUSH MOUNTED	Flush mounting box with module holder frames	2 x 825/24		2 x 825/24		2 x 825/24	
ACCESSORIES FLUSH MOUNTED	Frame and wall cover	825/408		825/408		825/408	
	Waterproof hood with wall cover frame	825/442		825/442		825/442	
WALL MOUNTED	(*) Casing and hood with frame and module holders	825/542		825/542		825/542	

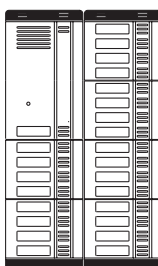
# KOMBI PUSH-BUTTON PANEL Ref. 825 DOOR PHONE SYSTEMS

**BiBus** II ED.

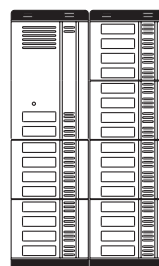
**urmet**  
DOMUS

## EXAMPLES OF MODULAR CONSTRUCTIONS WITH VARIOUS CAPACITIES

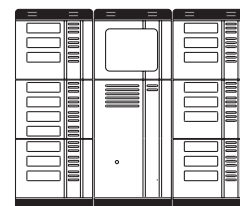
(\*): alternatives  
flush mounting box,  
flush mounting box and frame,  
flush mounting box and hood.



25

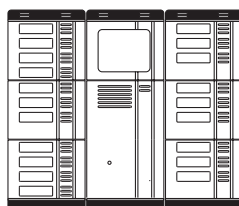


26

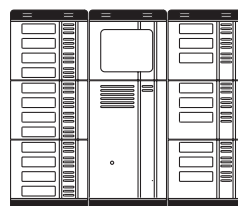


19

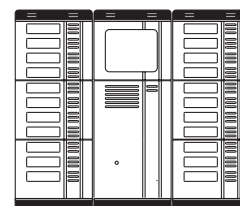
	Door unit with digitiser	1072/19		1072/19		1072/19	
	Door unit modules	825/16		825/17		825/15	
	Button modules	6 x 825/204		6 x 825/204		5 x 825/203 - 1 x 825/204	
	Repertory module	-		-		825/5	
	16-user expansion module	1 x 1038/17		1 x 1038/17		1 x 1038/17	
FLUSH MOUNTED	Flush mounting box with module holder frames	2 x 825/24		2 x 825/24		3 x 825/23	
ACCESSORIES FLUSH MOUNTED	Frame and wall cover	825/408		825/408		825/39	
	Waterproof hood with wall cover frame	825/442		825/442		825/49	
WALL MOUNTED	(*) Casing and hood with frame and module holders	825/542		825/542		825/59	



20

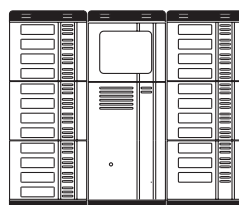


21

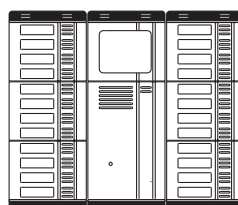


22

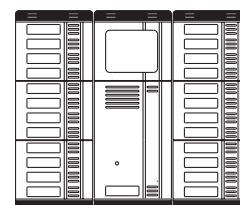
	Door unit with digitiser	1072/19		1072/19		1072/19	
	Door unit modules	825/15		825/15		825/15	
	Button modules	4 x 825/203 - 2 x 825/204		3 x 825/203 - 3 x 825/204		2 x 825/203 - 4 x 825/204	
	Repertory module	825/5		825/5		825/5	
	16-user expansion module	1 x 1038/17		1 x 1038/17		1 x 1038/17	
FLUSH MOUNTED	Flush mounting box with module holder frames	3 x 825/23		3 x 825/23		3 x 825/23	
ACCESSORIES FLUSH MOUNTED	Frame and wall cover	825/39		825/39		825/39	
	Waterproof hood with wall cover frame	825/49		825/49		825/49	
WALL MOUNTED	(*) Casing and hood with frame and module holders	825/59		825/59		825/59	



23



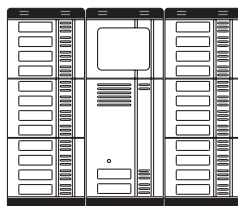
24



25

	Door unit with digitiser	1072/19		1072/19		1072/19	
	Door unit modules	825/15		825/15		825/16	
	Button modules	1 x 825/203 - 5 x 825/204		6 x 825/204		6 x 825/204	
	Repertory module	825/5		825/5		825/5	
	16-user expansion module	1 x 1038/17		1 x 1038/17		1 x 1038/17	
FLUSH MOUNTED	Flush mounting box with module holder frames	3 x 825/23		3 x 825/23		3 x 825/23	
ACCESSORIES FLUSH MOUNTED	Frame and wall cover	825/39		825/39		825/39	
	Waterproof hood with wall cover frame	825/49		825/49		825/49	
WALL MOUNTED	(*) Casing and hood with frame and module holders	825/59		825/59		825/59	

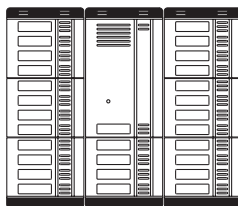
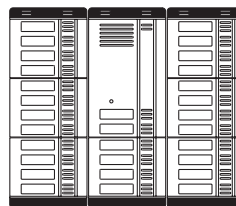
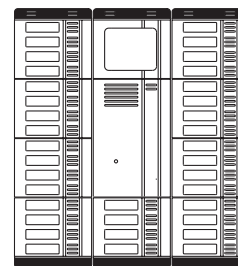
(\*): alternatives  
flush mounting box,  
flush mounting box and frame,  
flush mounting box and hood.


**26**

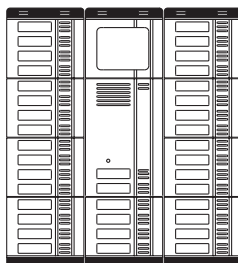
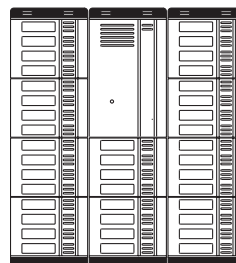
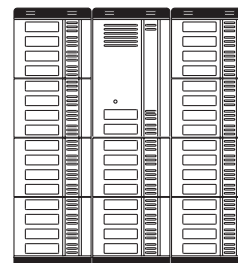
**27**

**28**

	Door unit with digitiser	1072/19		1072/19		1072/19	
	Door unit modules	825/17		825/15		825/15	
	Button modules	Repertory module	6 x 825/204	825/5	1 x 825/203 - 6 x 825/204	-	7 x 825/204
	16-user expansion module	1 x 1038/17		1 x 1038/17		1 x 1038/17	
FLUSH MOUNTED	Flush mounting box with module holder frames	3 x 825/23		3 x 825/23		3 x 825/23	
ACCESSORIES FLUSH MOUNTED	Frame and wall cover	825/39		825/39		825/39	
	Waterproof hood with wall cover frame	825/49		825/49		825/49	
WALL MOUNTED	(*) Casing and hood with frame and module holders	825/59		825/59		825/59	


**29**

**30**

**36**

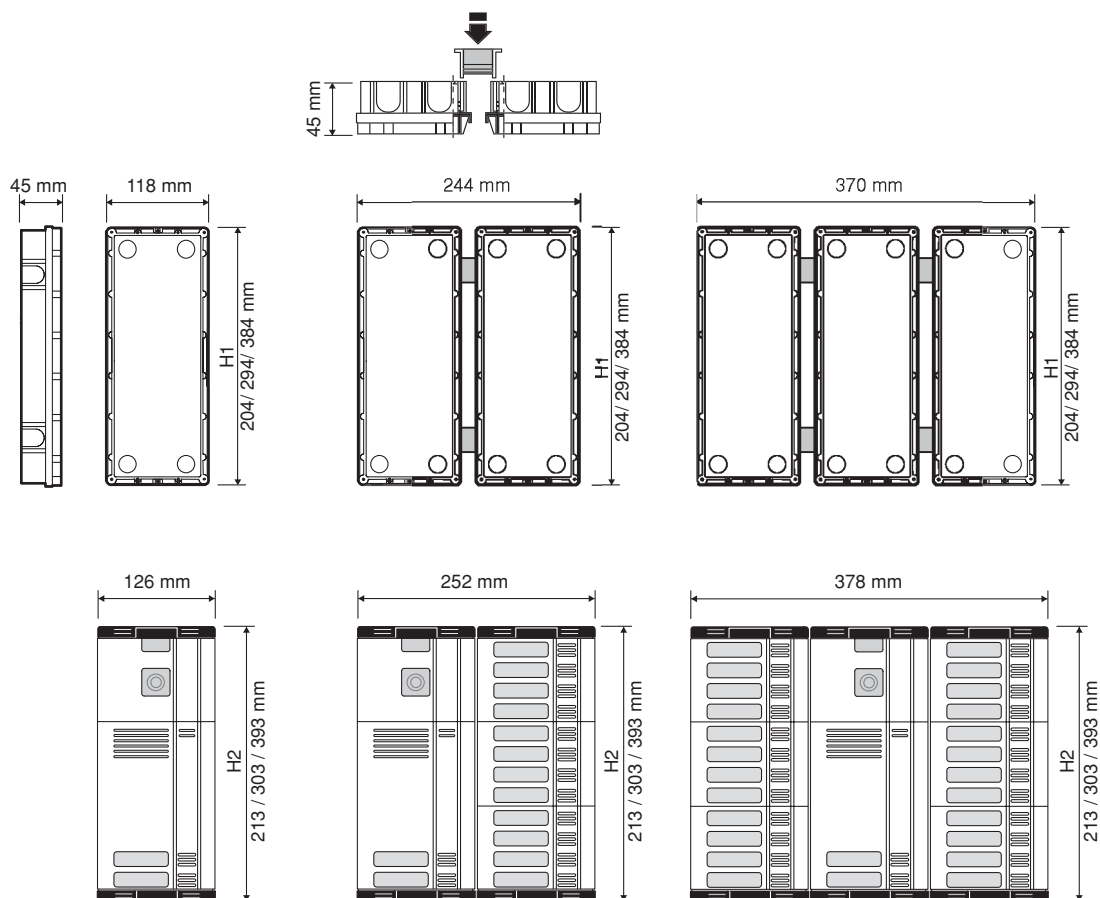
	Door unit with digitiser	1072/19		1072/19		1072/19	
	Door unit modules	825/16		825/17		825/15	
	Button modules	Repertory module	7 x 825/204	-	7 x 825/204	-	9 x 825/204
	16-user expansion module	1 x 1038/17		1 x 1038/17		2 x 1038/17	
FLUSH MOUNTED	Flush mounting box with module holder frames	3 x 825/23		3 x 825/23		3 x 825/24	
ACCESSORIES FLUSH MOUNTED	Frame and wall cover	825/39		825/39		825/412	
	Waterproof hood with wall cover frame	825/49		825/49		825/443	
WALL MOUNTED	(*) Casing and hood with frame and module holders	825/59		825/59		825/543	


**38**

**40**

**42**

	Door unit with digitiser	1072/19		1072/19		1072/19	
	Door unit modules	825/17		825/15		825/17	
	Button modules	Repertory module	9 x 825/204	825/5	10 x 825/204	-	10 x 825/204
	16-user expansion module	2 x 1038/17		2 x 1038/17		2 x 1038/17	
FLUSH MOUNTED	Flush mounting box with module holder frames	3 x 825/24		3 x 825/24		3 x 825/24	
ACCESSORIES FLUSH MOUNTED	Frame and wall cover	825/412		825/412		825/412	
	Waterproof hood with wall cover frame	825/443		825/443		825/443	
WALL MOUNTED	(*) Casing and hood with frame and module holders	825/543		825/543		825/543	

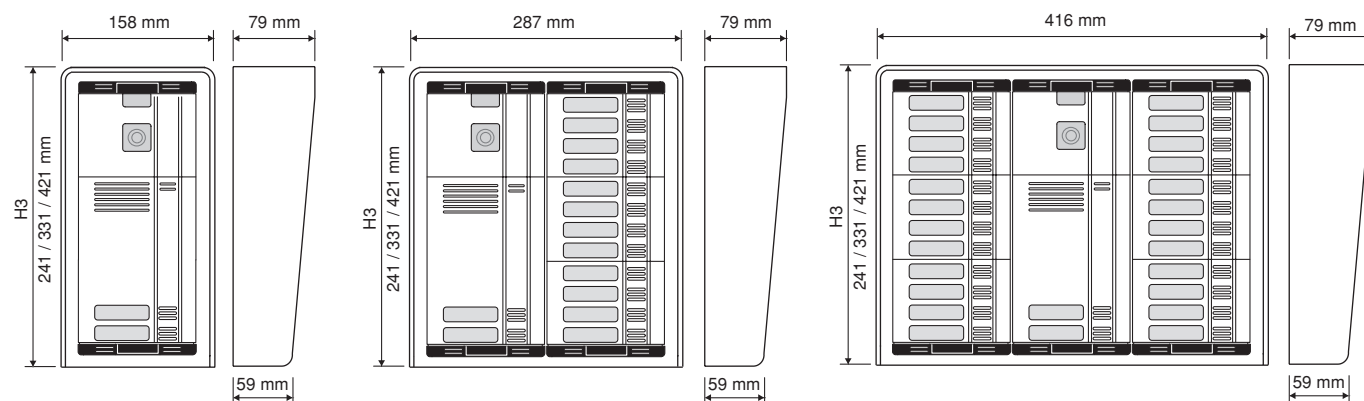
**DIMENSIONS**

**FLUSH MOUNTED**



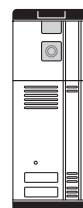
**Note:** H1= 204, 294, 384 indicates flush mounting height and H2= 213, 303, 393 indicates to total height relative to 2, 3 and 4 module versions.

**WALL MOUNTED**



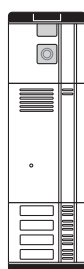
**Note:** H3= 241, 331, 421 indicates total height relative to 2, 3, and 4 module versions.

(\*): alternatives  
flush mounting box,  
flush mounting box and frame,  
flush mounting box and hood.


**1**

**2**

**3**

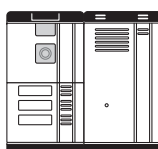
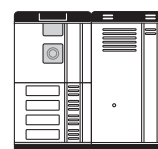
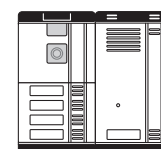
	Camera unit module		825/70	825/70	825/70
	p/camera adapter for 5-wire systems		1742/13	1742/13	1742/13
	Door unit with digitiser		1072/19	1072/19	1072/19
	16-user expansion module		-	-	-
	Door unit module		825/16	825/17	825/15
	Button modules	Repertory module	-	-	825/203
FLUSH MOUNTED	Flush mounting box with module holder frames		825/23	825/23	825/24
ACCESSORIES FLUSH MOUNTED	Frame and wall cover		825/33	825/33	825/404
	Waterproof hood with wall cover frame		825/43	825/43	825/441
WALL MOUNTED	(*) Casing and hood with frame and module holders		825/53	825/53	825/541


**4**

**5**

**6**

	Camera unit module		825/70	825/70	825/70
	p/camera adapter for 5-wire systems		1742/13	1742/13	1742/13
	Door unit with digitiser		1072/19	1072/19	1072/19
	16-user expansion module		-	-	-
	Door unit module		825/15	825/16	825/17
	Button modules	Repertory module	825/204	-	825/204
FLUSH MOUNTED	Flush mounting box with module holder frames		825/24	825/24	825/24
ACCESSORIES FLUSH MOUNTED	Frame and wall cover		825/404	825/404	825/404
	Waterproof hood with wall cover frame		825/441	825/441	825/441
WALL MOUNTED	(*) Casing and hood with frame and module holders		825/541	825/541	825/541


**3**

**4**

**5**

	Camera unit module		825/70	825/70	825/70
	p/camera adapter for 5-wire systems		1742/13	1742/13	1742/13
	Door unit with digitiser		1072/19	1072/19	1072/19
	16-user expansion module		-	-	-
	Door unit module		825/15	825/15	825/16
	Button modules	Repertory module	825/203	-	825/204
FLUSH MOUNTED	Flush mounting box with module holder frames		2 x 825/22	2 x 825/22	2 x 825/22
ACCESSORIES FLUSH MOUNTED	Frame and wall cover		825/32	825/32	825/32
	Waterproof hood with wall cover frame		825/42	825/42	825/42
WALL MOUNTED	(*) Casing and hood with frame and module holders		825/52	825/52	825/52

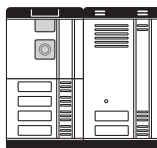
# KOMBI CAMERA UNIT Ref. 825 VIDEO DOOR PHONE SYSTEMS

**BiBus** II ED.

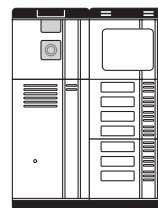
**urmet**  
DOMUS

## EXAMPLES OF MODULAR CONSTRUCTIONS WITH VARIOUS CAPACITIES

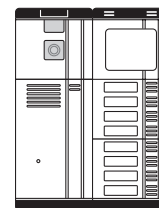
(\*): alternatives  
flush mounting box,  
flush mounting box and frame,  
flush mounting box and hood.



6

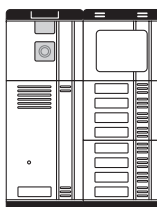


7

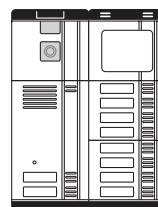


8

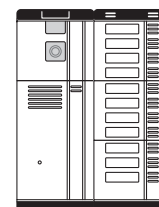
	Camera unit module	825/70		825/70		825/70	
	p/camera adapter for 5-wire systems	1742/13		1742/13		1742/13	
	Door unit with digitiser	1072/19		1072/19		1072/19	
	16-user expansion module	-		-		-	
	Door unit module	825/17		825/15		825/15	
	Button modules	825/204	-	1 x 825/203 - 1 x 824/204	825/5	2 x 825/204	825/5
FLUSH MOUNTED	Flush mounting box with module holder frames	2 x 825/22		2 x 825/23		2 x 825/23	
ACCESSORIES FLUSH MOUNTED	Frame and wall cover	825/32		825/36		825/36	
	Waterproof hood with wall cover frame	825/42		825/46		825/46	
WALL MOUNTED	(*) Casing and hood with frame and module holders	825/52		825/56		825/56	



9

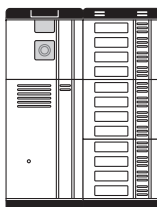


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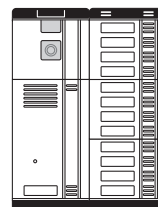


11

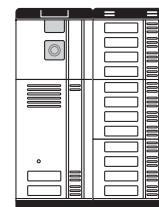
	Camera unit module	825/70		825/70		825/70	
	p/camera adapter for 5-wire systems	1742/13		1742/13		1742/13	
	Door unit with digitiser	1072/19		1072/19		1072/19	
	16-user expansion module	-		-		-	
	Door unit module	825/16		825/17		825/15	
	Button modules	2 x 825/204	825/5	2 x 825/204	825/5	2 x 825/204 - 1 x 825/203	-
FLUSH MOUNTED	Flush mounting box with module holder frames	2 x 825/23		2 x 825/23		2 x 825/23	
ACCESSORIES FLUSH MOUNTED	Frame and wall cover	825/36		825/36		825/36	
	Waterproof hood with wall cover frame	825/46		825/46		825/46	
WALL MOUNTED	(*) Casing and hood with frame and module holders	825/56		825/56		825/56	



12



13

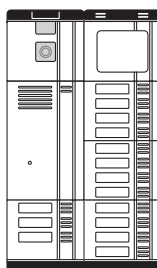
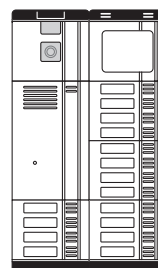
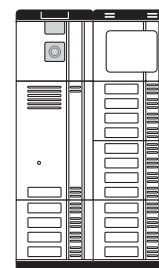


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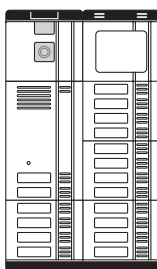
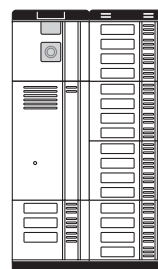
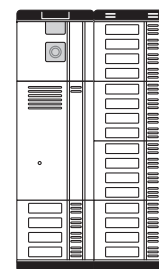
	Camera unit module	825/70		825/70		825/70	
	p/camera adapter for 5-wire systems	1742/13		1742/13		1742/13	
	Door unit with digitiser	1072/19		1072/19		1072/19	
	16-user expansion module	-		-		-	
	Door unit module	825/15		825/16		825/17	
	Button modules	3 x 825/204	-	3 x 825/204	-	3 x 825/204	-
FLUSH MOUNTED	Flush mounting box with module holder frames	2 x 825/23		2 x 825/23		2 x 825/23	
ACCESSORIES FLUSH MOUNTED	Frame and wall cover	825/36		825/36		825/36	
	Waterproof hood with wall cover frame	825/46		825/46		825/46	
WALL MOUNTED	(*) Casing and hood with frame and module holders	825/56		825/56		825/56	



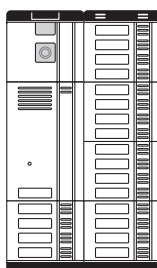
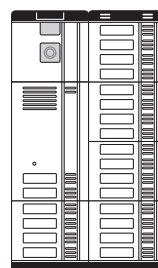
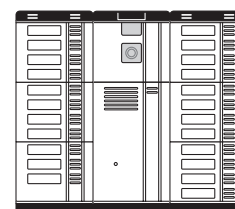
(\*): alternatives  
flush mounting box,  
flush mounting box and frame,  
flush mounting box and hood.


**15**

**16**

**17**

	Camera unit module	825/70		825/70		825/70	
	p/camera adapter for 5-wire systems	1742/13		1742/13		1742/13	
	Door unit with digitiser	1072/19		1072/19		1072/19	
	16-user expansion module	-		-		-	
	Door unit module	825/15		825/15		825/16	
	Button modules	Repertory module	3 x 825/204 - 1 x 825/203	825/5	4 x 824/204	825/5	4 x 825/204 825/5
FLUSH MOUNTED	Flush mounting box with module holder frames		2 x 825/24		2 x 825/24		2 x 825/24
ACCESSORIES FLUSH MOUNTED	Frame and wall cover		825/408		825/408		825/408
	Waterproof hood with wall cover frame		825/442		825/442		825/442
WALL MOUNTED	(*) Casing and hood with frame and module holders		825/542		825/542		825/542


**18**

**19**

**20**

	Camera unit module	825/70		825/70		825/70	
	p/camera adapter for 5-wire systems	1742/13		1742/13		1742/13	
	Door unit with digitiser	1072/19		1072/19		1072/19	
	16-user expansion module	-		1038/17		1038/17	
	Door unit module	825/17		825/15		825/15	
	Button modules	Repertory module	4 x 825/204	825/5	4 x 825/204 - 1 x 825/203	-	5 x 825/204 -
FLUSH MOUNTED	Flush mounting box with module holder frames		2 x 825/24		2 x 825/24		2 x 825/24
ACCESSORIES FLUSH MOUNTED	Frame and wall cover		825/408		825/408		825/408
	Waterproof hood with wall cover frame		825/442		825/442		825/442
WALL MOUNTED	(*) Casing and hood with frame and module holders		825/542		825/542		825/542


**21**

**22**

**23**

	Camera unit module	825/70		825/70		825/70	
	p/camera adapter for 5-wire systems	1742/13		1742/13		1742/13	
	Door unit with digitiser	1072/19		1072/19		1072/19	
	16-user expansion module	1038/17		1038/17		1038/17	
	Door unit module	825/16		825/17		825/15	
	Button modules	Repertory module	5 x 825/204	-	5 x 825/204	-	5 x 825/204 - 1 x 825/203 -
FLUSH MOUNTED	Flush mounting box with module holder frames		2 x 825/24		2 x 825/24		3 x 825/23
ACCESSORIES FLUSH MOUNTED	Frame and wall cover		825/408		825/408		825/39
	Waterproof hood with wall cover frame		825/442		825/442		825/49
WALL MOUNTED	(*) Casing and hood with frame and module holders		825/542		825/542		825/59

# KOMBI CAMERA UNIT Ref. 825 VIDEO DOOR PHONE SYSTEMS

**BiBus** II ED.

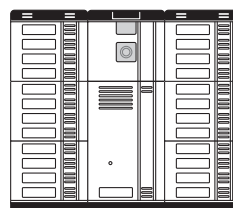
**urmet**  
DOMUS

## EXAMPLES OF MODULAR CONSTRUCTIONS WITH VARIOUS CAPACITIES

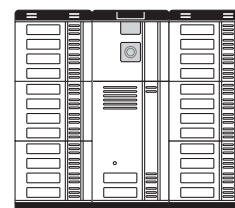
(\*): alternatives  
flush mounting box,  
flush mounting box and frame,  
flush mounting box and hood.



24

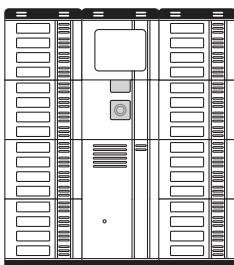


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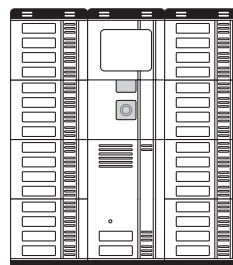


26

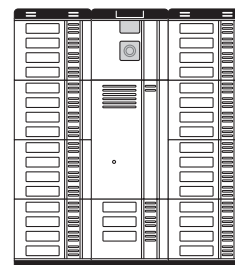
	Camera unit module	825/70		825/70		825/70	
	p/camera adapter for 5-wire systems	1742/13		1742/13		1742/13	
	Door unit with digitiser	1072/19		1072/19		1072/19	
	16-user expansion module	1038/17		1038/17		1038/17	
	Door unit module	825/15		825/16		825/17	
	Button modules	6 x 825/204		6 x 824/204		6 x 825/204	
	Repertory module	-		-		-	
FLUSH MOUNTED	Flush mounting box with module holder frames	3 x 825/23		3 x 825/23		3 x 825/23	
ACCESSORIES FLUSH MOUNTED	Frame and wall cover	825/39		825/39		825/39	
	Waterproof hood with wall cover frame	825/49		825/49		825/49	
WALL MOUNTED	(*) Casing and hood with frame and module holders	825/59		825/59		825/59	



32

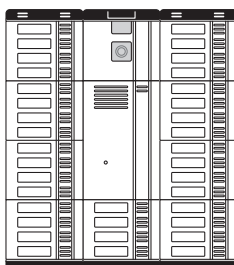


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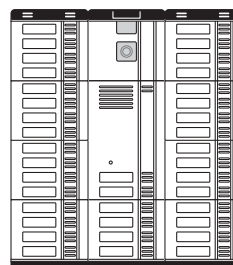


35

	Camera unit module	825/70		825/70		825/70	
	p/camera adapter for 5-wire systems	1742/13		1742/13		1742/13	
	Door unit with digitiser	1072/19		1072/19		1072/19	
	16-user expansion module	1038/17		1038/17		2 x 1038/17	
	Door unit module	825/15		825/17		825/15	
	Button modules	8 x 825/204		8 x 825/204		1 x 825/203 - 8 x 825/204	
	Repertory module	825/5		825/5		-	
FLUSH MOUNTED	Flush mounting box with module holder frames	3 x 825/24		3 x 825/24		3 x 825/24	
ACCESSORIES FLUSH MOUNTED	Frame and wall cover	825/412		825/412		825/412	
	Waterproof hood with wall cover frame	825/443		825/443		825/443	
WALL MOUNTED	(*) Casing and hood with frame and module holders	825/543		825/543		825/543	



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	Camera unit module	825/70		825/70			
	p/camera adapter for 5-wire systems	1742/13		1742/13			
	Door unit with digitiser	1072/19		1072/19			
	16-user expansion module	2 x 1038/17		2 x 1038/17			
	Door unit module	825/15		825/17			
	Button modules	9 x 825/204		9 x 825/204			
	Repertory module						
FLUSH MOUNTED	Flush mounting box with module holder frames	3 x 825/24		3 x 825/24			
ACCESSORIES FLUSH MOUNTED	Frame and wall cover	825/412		825/412			
	Waterproof hood with wall cover frame	825/443		825/443			
WALL MOUNTED	(*) Casing and hood with frame and module holders	825/543		825/543			

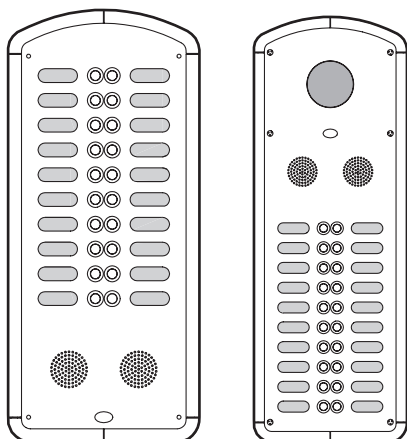
**DOMUS-AURA ARTISTIC 2-ROW PUSH-BUTTON PANEL Mod. 1110 (door phone) AND Mod. 1710 (video door phone)**

Domus Aura artistic push-button panels combine elegant design and top quality materials. The front plate is made of "super mirror" finish stainless steel. The frames, buttons and name tags and made of ion-treated brass (PVD) to prevent oxidation and make the device weatherproof.

Two to four rows are available for up to 20 buttons.

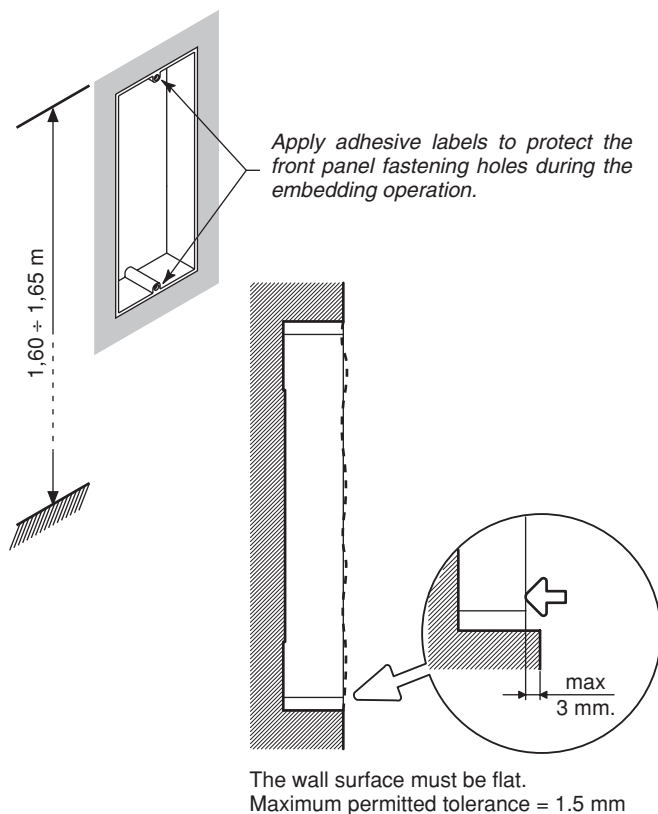
All versions are complete with:

- Flush mounting box with green LED diode name tag lights.
- Brass and temporary name tags.
- Tamperproof screws and screwdriver.

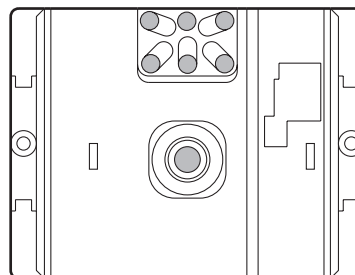


**IMPORTANT:** CLEAN WITH A DRY, SOFT CLOTH. DO NOT USE BRASS POLISH.

**FLUSH MOUNTING BOX POSITIONING AND ASSEMBLY**



**ADJUSTABLE CCD CAMERA UNIT FOR ARTISTIC PUSH-BUTTON PANELS Ref. 1810/70**



**PERFORMANCE**

Characteristics of the device are:

- fixed focus CCD camera with built-in optics and lens;
- subject lighting using infrared LED diodes;
- possibility of adjusting camera lens vertically and horizontally.

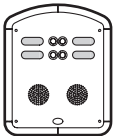
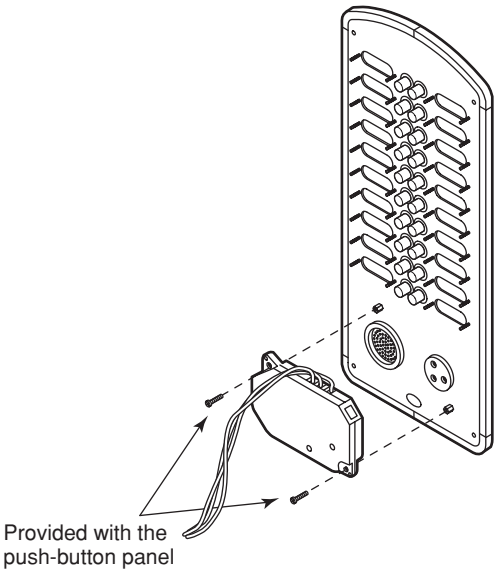
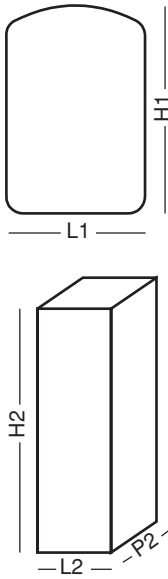
**DESCRIPTION OF TERMINAL BOARDS**

- |    |   |
|----|---|
| R2 | camera power positive input                 |
| R1 | camera power negative input                 |
| A  | differential video signal output (negative) |
| B  | differential video signal output (positive) |
| T  | camera on control                           |

2-ROW DOMUS-AURA ARTISTIC PUSH-BUTTON PANEL  
DOOR PHONE SYSTEMS

DIMENSIONS  
INSTALLATION - MODULAR EXAMPLES FOR VARIOUS CAPACITIES

CODE	DESCRIPTION	Front dimensions (mm)		Flush mounting box dimensions (mm)		
	Artistic door phone push-button panel	Width	Height	Width	Height	Depth
	Number of buttons	L1	H1	L2	H2	P2
1110/204	4	216	292	186	228	55
1110/206	6					
1110/208	8		348		284	
1110/210	10					
1110/212	12		376		312	
1110/214	14		404		340	
1110/216	16		432		368	
1110/218	18		460		396	
1110/220	20		488		424	

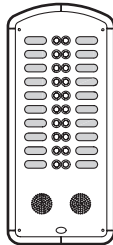
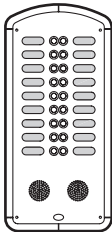


from

4

to

18

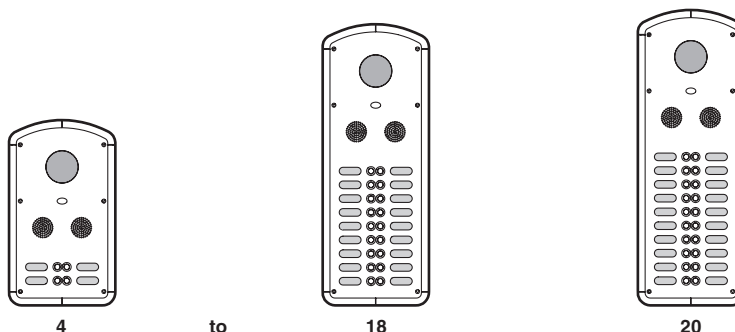
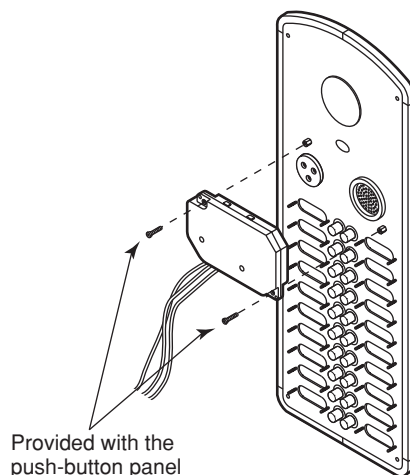
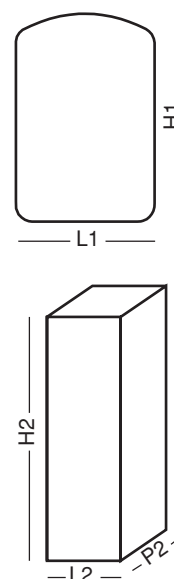


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	Door unit with digitiser	1072/19	
	16-users expansion module	-	
	Door unit push-button panel set-up	from 1110/204	to 1110/218

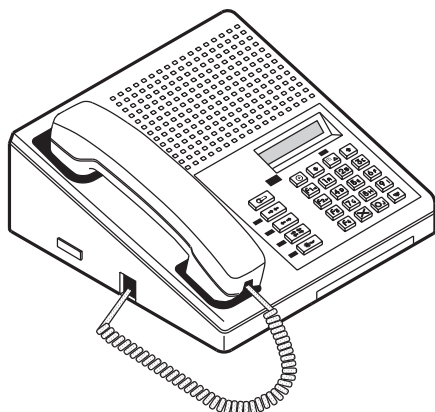
1072/19
1 x 1038/17
1110/220

CODE	DESCRIPTION	Front dimensions (mm)		Flush mounting box dimensions (mm)		
	Artistic video door phone push-button panel	Width	Height	Width	Height	Depth
	Number of buttons	L1	H1	L2	H2	P2
1710/204	4	216	376	186	312	55
1710/206	6		404		340	
1710/208	8		432		368	
1710/210	10		460		396	
1710/212	12		488		424	
1710/214	14		516		452	
1710/216	16		544		480	
1710/218	18		572		508	
1710/220	20		600		536	



	from	4	to	18	20
Door unit with digitiser		1072/19			1072/19
16-users expansion module		-			1 x 1038/17
Door unit push-button panel set-up		from 1710/204 to 1710/218			1710/220
Camera unit		1810/70			
p/camera adapter for 5-wire systems		1742/13			

## CONCIERGE SWITCHBOARD Ref. 1072/41



CONCIERGE SWITCHBOARD 1072/41 SECOND EDITION CAN BE USED TO RETROFIT OLD FIRST EDITION SYSTEMS.

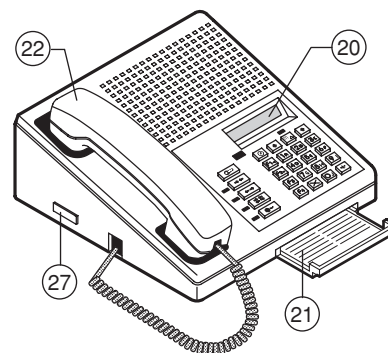
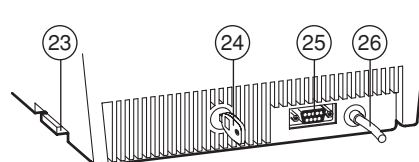
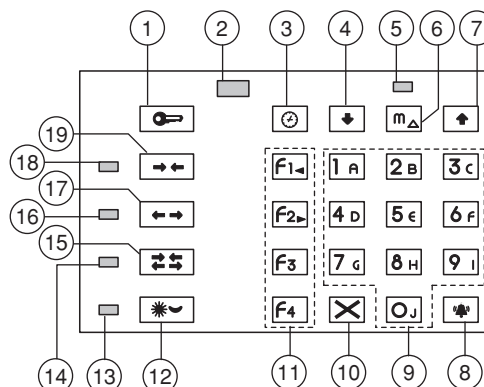
A SECOND EDITION SYSTEM (PROVIDING BIBUS SECOND EDITION PERFORMANCE) IS A SYSTEM WHERE ALL DEVICES ARE SECOND EDITION DEVICES AND CONFIGURED AS SUCH.

## PERFORMANCE

- Day/Night/Off service modalities.
- User calls directly by entering number code or alphanumeric code with letter prefix or suffix from A to J.
- User calls by selecting name stored in built-in repertory (max. 250 names).
- Door phone call reception and storage (max. 50).
- The switchboard can be programmed via built-in keyboard, programming keyboard 1032/65 or PC.
- Programmable door phone pick up time (10, 20, 30, 40s).
- Programmable minimum conversation time (10, 20, 30, 40s).
- Maximum conversation time: 250s.
- Acoustic call made signal.
- Busy function signalled by message on display.
- Two trimmers for adjusting volume of speaker and handset.
- One trimmer for adjusting display contrast.
- Switch-on signal management for video module in video door phone systems.
- Date/time function.
- Multilingual message display without extra EEPROM.
- Four special function keys (e.g. staircase lights).
- Call tone level adjustment.
- Recall signal management for controlling additional ringers.
- Powered by 9000/230 (12Vac).

## STRUCTURE

The switchboard consists of the following parts:



1. Calling unit door opening button.
2. Busy voice line LED.
3. Date/time adjustment button.
4. A-Z name scrolling button.
5. Stored calls LED.
6. Stored calls scrolling button.
7. Z-A name scrolling button.
8. Call button.
9. Alphanumeric keyboard.
10. Error correction button.
11. Auxiliary service buttons.
12. Day/Night switch button.
13. Day/Night LED.
14. Direct call LED.
15. Direct call switch button.
16. Voice to door units LED.
17. Voice to door units switch button.
18. Voice to indoor sets LED.
19. Voice to indoor sets switch button.
20. Back-lit display.
21. Phone book box.
22. Handset.
23. Ringer volume trimmer.
24. Power on key switch.
25. PC connector.
26. Wiring junction box connection wire.
27. Programming keyboard connector 1032/65.

## DESCRIPTION OF TERMINALS

The following terminals are provided on the wiring junction box:

~0	12Vac power
~12	12Vac power
L1	Bus Line 1st connector
L2	Bus Line 2nd connector
CV	Video module control signal
RPCH	Call repeat signal
GND	Control signal earth

## TECHNICAL SPECIFICATIONS

Power:	12Vac nominal
Stand-by consumption:	250mAac max.
Maximum consumption:	300mAac max.
RPCH signal:	I <sub>max</sub> = 40mA
Operating temperature:	-5 +45°C
Moisture:	90% RH @ 30°C

## INSTALLATION

Refer to the "Integrated Systems Technical Manual" for instructions on how to install the switchboard. Use the specific wire provided to connect to a video module. Connect the long terminal to CV and the short terminal to GND.

## SWITCHING ON AND OFF

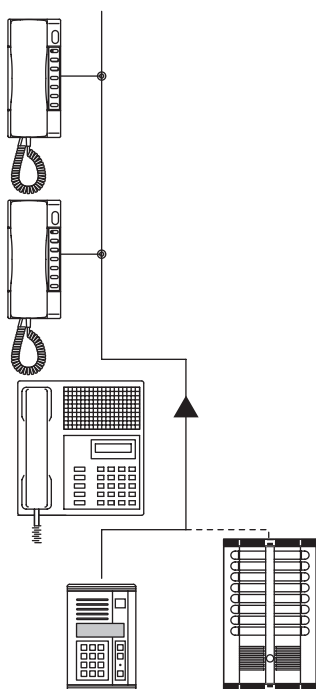
The switchboard can be switched on and off by means of the key switch on the back of the unit (24).

### SWITCHBOARD OFF

The switchboard is completely deactivated when it is switched off:

- Calls from door units are sent directly to indoor sets.
- Calls from indoor sets are lost.

The switchboard will return to the discontinued Day/Night operative modality when it is switched back on.



## RETURNING TO NIGHT SERVICE

The following will appear on the switchboard display:

**Night Service**  
23/05/2002 08:10

LED (13) is off. Service is partial in this modality:

- Calls from door units are sent to indoor sets directly.
- Calls from indoor sets are managed.
- The switchboard can call extensions.

## RETURNING TO DAY SERVICE

The following will appear on the switchboard display:

**Day Service**  
23/05/2002 08:10

LED (13) is on.

Service is full in this modality:

- Calls to door units are intercepted by the switchboard and can be directed to the concerned extension.
- Calls to indoor sets are managed.
- The switchboard can call extensions.

## PROGRAMMING




The switchboard can be programmed in three ways when the system is powered:

- 1 Via external keyboard 1032/65 (recommended).
- 2 Via built-in keyboard.
- 3 Via PC connection.

### PROGRAMMING VIA KEYBOARD 1032/65

Programming mode is accessed automatically when the external keyboard is connected to the switchboard. Programming mode is quitted by disconnecting the external keyboard in any menu. All previously entered data will be stored. See "Programming parameters".

### PROGRAMMING VIA BUILT-IN KEYBOARD

Hold the  button pressed and turn the key to off to access programming mode. Turn the key to on in any programming menu to quit programming. All previously entered data will be stored. Hold the  button pressed for three seconds to return to the previous menu. Hold the  button pressed for three seconds in the main menu to quit programming. Programming mode will be quitted by time-out four minutes after the last operation.



## PROGRAMMING PARAMETERS

Reference is made to the local keyboard programming method for programming menu operative descriptions. The following table shows the operative differences for programming with keyboard 1032/65.

Function	Local keyboard programming	External keyboard programming
Select menu	↑ and ↓ buttons	← and → buttons
OK (Enter)	button	↵
Escape (return to upper menu)	✕ button pressed for 3s	button
Blank	Press characters	button SP
Backspace (for correcting)	Press characters	button BS
Select special characters	Press characters	button /
Delete an associated code booking	button	button BS

The main menu will appear when programming mode is accessed. The menu will be customised, according to the programmed edition (first or second):

### Main menu (second edition)

Main Menu  
Edition
↓

Main Menu  
Language
↑↓

Main Menu  
Busy Time
↑↓

Main Menu  
Type of code
↑↓

Main Menu  
Codes/Names
↑↓

Main Menu  
Association
↑↓

Main Menu  
Call Repeat
↑↓

Use and buttons to scroll the menus. Select the required menu and press to confirm.

### Main menu (first edition)

Main Menu  
Edition
↓

Main Menu  
Language
↑↓

Main Menu  
Module Type
↑↓

Main Menu  
Busy Time
↑↓

Main Menu  
Type of code↑↓

Main Menu  
Codes/Names
↑↓

Use and buttons to scroll the menus. Select the required menu and press to confirm.

### Edition

The switchboard can be configured as first edition or second edition. The switchboard must be configured as a first edition device if only one other first edition device is fitted in the system (e.g. when replacing a part in an old system). The switchboard must be configured as a second edition device only when all the other devices in the system are second edition devices.

The following will appear on the display:

Edition: II^ ED  
<I^ ED> <II^ ED>

Use and buttons to select and button to confirm. The system will automatically return to the updated main menu according to the programmed edition after a confirmation tone.

### Language

The following will appear on the display:

== Language ==  
English ↑↓

Use and buttons to select and button to confirm. The system will automatically return to the updated main menu after a confirmation tone.

### Module Type

This menu will only appear in first edition systems.  
In first edition systems, select the type (button or alphanumeric code) of each module in the system.  
The following will appear on the display:

=	Module Type	=
	Station 1	↓

Use and buttons to select the station number and button to confirm.

The following will appear on the display:

=	Module Type	=
	Buttons	↓

or:

=	Module Type	=
	ALF/NUM Code	↑

Use and buttons to select the station type and button to confirm.

### Busy time

The busy time menu is split into two submenus.  
The following will appear on the display:

==	BUSY TIME	==
	PICKUP TIME	↓

==	BUSY TIME	==
	BUSY TIME	↑

Use and buttons to select the submenu and button to confirm.

### Pick up time

The pick up time is the maximum time within which the user must answer the door phone. All call units will be busy during this time. All devices in the system must have the same pick up time.  
The following will appear on the display:

PICKUP TIME:	20s
<10><20><30><40>	

Use and buttons to select and button to confirm. The system will automatically return to the main menu after a confirmation tone.

### Busy time (minimum conversation time)

The call units will switch to busy when a user answers a door phone call for the minimum programmed time. Call units cannot interrupt the call in progress during this time. All devices in the system must have the same busy time.

The following will appear on the display:

BUSY TIME:	20s
<10><20><30><40>	

Use and buttons to select and button to confirm. The system will automatically return to the main menu after a confirmation tone.

### Code type

The switchboard can be used to call users with either a numeric code (0001-9999), an alphanumeric code and letter prefix (x000-x999) or an alphanumeric code with letter suffix (000x-999x). Letters from A to J can be used in second edition devices. Letters from A to F can be used in first edition devices.

The following will appear on the display:

=	Code Type	=
Num.	1.9999	↓

=	Code Type	=
Pref.	x000.x999	↑↓

=	Code Type	=
Suff.	000x.999x	↑

Use and buttons to select the Code Type and button to confirm.

### Codes and names

This menu is used to program names and respective codes.  
The following will appear on the display:

=	Code/Name	=
	Enter data	↓

=	Code/Name	=
	Modify data	↑↓

=	Code/Name	=
	Clear all	↑

Use and buttons to select the submenu and button to confirm.

### Enter data




This submenu is used to add user codes and respective names.

First edition only: the call station to which the code was previously associated will be required:

Call module n°
----------------






First edition only: start entering data after entering the station. The first free position in the 250 location table (one record per user) will appear on the display:

Position: 1
Code:

Enter the numeric or alphanumeric code formed by a variable number of digits from 1 to 4 and press  to confirm. The button  can be used for correcting. Press the button  for longer than three seconds to return to the previous menu.

The following will appear on the display after entering the code:

Cod. 1001      Name:

The name can be entered at a later time. In this case, press  and start entering a new code. If the user's name is known, it can be entered as follows: use the   buttons on the switchboard keyboard to find the required character; select the character; the cursor will move rightwards by one position after approximately one second from when the button is pressed so that a new character can be entered. Press the  button to delete the last entered character. Use programming keyboard 1032/65 to considerably facilitate name entry. The same name can be assigned to different codes. Press  when you have finished entering the name.

#### Modify data

This submenu is used to edit previous entered user data.

**Note:** for first edition only: the station number assigned to the name cannot be edited. To change a station number, delete the name and enter it again with the correct station number.

The following user search criteria can be used:

- Search by position in name (1-250)
- Search by name

The following will appear on the display:

Modify data  
Search by Pos.      ↓

Modify data  
Search by Name      ↑

Use the arrows to select the search criteria and press  to confirm.




#### Search by position

This submenu is used to edit a user code or name of a position in the table or delete a record. The following will appear on the display:

Position:      1  
Code:      1001

Use the arrows to select the position and press  to confirm.


At this point you can:

- Delete the record by pressing  (or bs on keyboard 1032/65 to delete the code); a confirmation window will appear before the record is deleted from the table.
- Change the user code: enter a new code and press  to confirm then change the name.
- Change the name: after changing the user code, a form similar to the name enter form will appear. Edit the name and press  to confirm.

#### Search by name

This submenu can be used only to edit the name associated to a record. The following will appear on the display:

John Doe  
Code:      1001

Use the arrows to select the name and press  to confirm. At this point you can:

- Change the name: edit the name and press  to confirm.

#### Clear all

This submenu can be used to delete all the names in the name table with the respective user codes.

The following will appear on the display:

Are you sure?  
<YES> <NO>

Use the arrows to select the answer and press  to confirm.

#### Association

This menu is available in second edition devices only.







The door phone programming procedure is split into two steps:

- A door phone booking (to be carried out on the switchboard).
- B door phone programming (to be carried out in apartments).

#### A: Door phone booking procedure

Select the Association menu. The following will appear on the display:

Position: 1  
C:1001      Associate?

- 1 Use the arrow buttons to scroll the list of entered records. Confirm the records to be added to the booking list by pressing . A symbol  will appear near the position. To delete a record from the booking list, press  instead of . The symbol  will disappear.
- 2 After creating the booking list, program the door phones in the same order. Press  for 3 seconds. The following will appear on the display:

MODULE  
BEING PROGRAMMED

Continue the door phone programming procedure.

#### B: Door phone programming procedure

- 1 Go to the first booked user. Hold the door opener button pressed and lift the door phone handset. Two confirmation beeps will be heard and the LED will blink indicating that the door phone has been booked.
- 2 Go to the other booked users and repeat the operation.

Tip: use the attached sheet to remember the booking sequence.

#### SEQUENZA DI ASSOCIAZIONE ASSOCIATION SEQUENCE


N° DELLA POSTAZIONE (ID):  
CALL MODULE NUMBER (ID):

SEQ.	NOMINATIVO USER NAME	PULSANTE / CODICE PUSHBUTTON / CODE	PIANO FLOOR	VARIE VARIOUS
1				
2				
3				
4				
5				

The switchboard will quit programming mode:

- at the end of the door phone programming procedure;
- after a four minute time-out after the last operation;
- when it is switched on using the key.

#### How to associate 2 or 3 door phones in parallel in a second edition system

To install two or three door phones in the same apartment and make them all ring when called, press the  button corresponding to the user with parallel door phones twice or three times during the door phone booking procedure. Perform the booking sequence on each parallel door phone according to the programming sequence having reached the apartment where the parallel door phones are installed.

#### Call repeat

This menu is available in second edition devices only. In first edition systems, the RPCH terminal will activate any call. This menu can be used to enable the RPCH terminal.

The following will appear on the display:

**Call Repeat:**  
**<NO><C><H><CH>**

- Select NO: the terminal will not be active.
- Select C: the terminal will be active for duration of rings from doors (main stations) only.
- Select H: the terminal will be active for duration of rings from apartments (door phones) only.
- Select CH: the terminal will be active for the duration of all rings.

Select and press  to confirm.

#### DEFAULT PROGRAMMING

The default programming is:

Type of system:	Second edition
Language:	English
Pick up time:	20s
Busy time:	20s
Code format:	numeric (0001-9999)
Call repeat:	Off

#### PROGRAMMING VIA PC

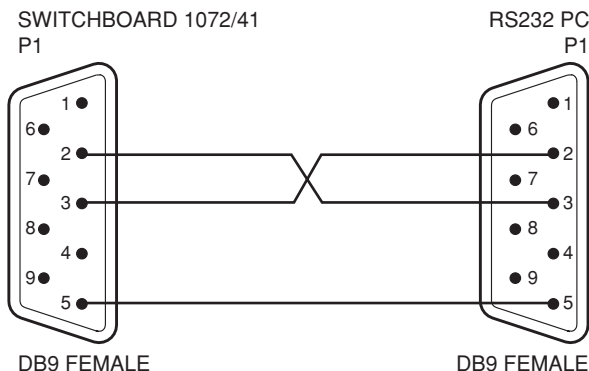
The switchboard can be programmed and configured rapidly by means of a personal computer suitably connected to the switchboard serial port (25).

Use B-BUS PC programs to make switchboard programming easier and faster. The B-BUS program (version 2.0 or higher) can be downloaded from the URMET DOMUS web site (<http://www.urmetdomus.it>) free of charge.

Minimum PC requirements are:

- Processor 486 or higher.
- Windows 95 or 98 operating system.
- Use of a mouse is recommended.

A cable with the following connections (not provided) is required:



- Pin 1 n.c.
- Pin 2 RX data
- Pin 3 TX data
- Pin 4 n.c.
- Pin 5 Ground
- Pin 6 n.c.
- Pin 7 n.c.
- Pin 8 n.c.
- Pin 9 n.c.

Connect the cable between switchboard and PC serial port to upload data from the PC (refer to the B-BUS program for more information). The following will appear on the switchboard display:

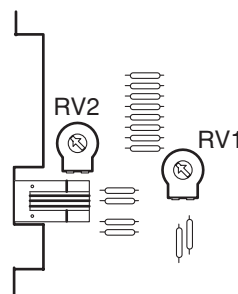
**Data reception**  
**in course...**

The switchboard will become operative again after the operation.

#### ADJUSTING THE VOLUME

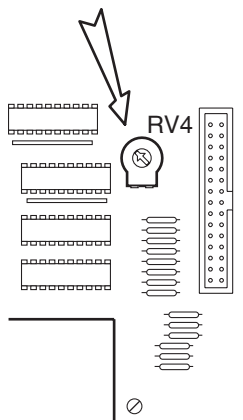
Volumes are calibrated at the factory and do not require adjustment in most conditions. If required, use a screwdriver to adjust the trimmers (inside the switchboard):

- RV2: Volume to other devices
- RV1: Volume from other devices



## ADJUSTING DISPLAY CONTRAST

The contrast level of the display is set at the factory and does not require adjustment in most conditions. If required, adjust trimmer RV4 in the switchboard with a screwdriver.



## CALLING INDOOR SETS USERS

Users can be called by entering the user's code on the keyboard. Naturally, you must know the user's code to do so. If you do not know the user's code, you can look it up in the built-in phone book. The call can be made both in Day and Night mode.

**Note:** In first edition systems, calling by entering the user's code will only be possible if there are alphanumeric calling stations in the system and if the names are included in the switchboard repertory.



## CALLING A USER BY SELECTING THE NAME


The following will appear on the display:

Day Service  
05/02/02 10:30

or:

Night Service  
05/02/02 10:30


Press  or  to scroll the names and the codes. Hold either button pressed to increase scrolling speed.

Select a name and raise the handset. Press the  button to call the selected user. The door phone ringer will be operated for a minimum time of three seconds.

Example of name/code display:

URMET DOMUS  
1001

The code will not be displayed in first edition systems.

Press . The following will appear on the display:

CALL  
IN COURSE

Hang up the handset. The previously selected call will be interrupted.

The following will appear on the display if the called user picks up:

Conversation  
Active with I.S.

Hang up the handset to end the conversation with the user. The following message will appear if the user does not answer within the programmed pick up time:

User  
does not reply

A busy tone will be heard until the line is not free when the call is made.

## CALLING A USER BY ENTERING THE CODE


Day Service  
05/02/02 10:30

or:

Night Service  
05/02/02 10:30

Enter the code of the user to be called. The following will appear on the display:

User Code:  
N° 1001

Enter the code, hang up the handset and press the  button to call the selected user. The door phone ringer will be operated for a minimum time of three seconds.

Hang up the handset. The previously selected call will be interrupted.

The following will appear on the display if the called user picks up:

CALL  
IN COURSE

Hang up the handset to end the conversation with the user.

Conversation  
Active with I.S.

The following message will appear if the user does not answer within the programmed off-hook waiting time:

User  
does not reply

A busy tone will be heard until the line is not free when the call is made.

## CALLING FROM INDOOR SETS

Calls can be made from indoor sets both in Day and Night mode. Two different procedures are offered (first edition and second edition systems).

### CALL RECEPTION (FIRST EDITION)

The following will appear when the switchboard receives a call:

**CALL FROM:**  
**Indoor Set**

The switchboard will ring for approximately 3 seconds. Raise the handset to start communication with the indoor set. LED 18 will light up and the following message will appear:

**CONVERSATION**  
**ACTIVE WITH I.S.**

The display will return to stand-by mode at the end of the conversation.

If a concierge door phone is fitted in the system, the call will be addressed to both devices and managed by the first to pick up the handset.

### CALL RECEPTION (SECOND EDITION)

The following will appear when the switchboard receives a call:

**CALL FROM: 1234**  
**John Doe**

where 1234 is the caller's code. The second line shows the user's name. The switchboard will ring for approximately 3 seconds.

The following message will appear if no name is stored in the repertory:

**CALL FROM: 1234**  
**Apartment**

Raise the handset to start communication with the indoor set. LED 18 will light up and the following message will appear:

**CONVERSATION**  
**ACTIVE WITH I.S.**





The display will return to stand-by mode at the end of the conversation.

A busy tone will be heard if the line is not free when the handset is hung up. The call will be stored by the switchboard and the LED (5) will light up.

The call will be stored and LED (5) will light up if the switchboard operator does not pick up within 10 seconds.


If a concierge door phone is fitted in the system, the call will be addressed to both devices and managed by the first to pick up the handset. The switchboard will store the call if the concierge door phone picks up first.

## MANAGING STORED CALLS (SECOND EDITION ONLY)

Stored calls can be displayed, served and deleted. Use the  memory scrolling button to view the codes and names (if stored in the repertory) of the stored indoor sets. Press  to call the displayed code. Press  for three seconds to delete the displayed code. A tone will be heard if the line is busy when  is pressed.

Example of three stored calls:

**03 1001**  
**JOHN DOE**

Press the  button for longer than three seconds to delete the code from the switchboard memory.

The call will be automatically deleted when the switchboard operator calls the stored indoor set and the call is answered.

## CONCIERGE SERVICE

Concierge service is offered when the switchboard is in Day mode. The following will appear on the display:


**Day Service**  
**05/03/99 7:12**

Day LED 13 will be lit up.

The service is not available in Night mode. The following will appear on the display:

**Night Service**  
**05/03/99 7:12**

Day LED 13 will be off.

Press the specific  button for three seconds to switch from DAY to NIGHT mode. A tone will be heard while the button is being pressed.

The switchboard will ring for approximately three seconds when a call from a door unit is received in 'Day' mode and the following will appear on the display:

**Mod: 1 → 1234**  
**John Doe**

where 1 is the number of calling station, 1234 is the called code. The caller's name will appear on the second line (if included in the repertory).

The following will appear in first edition systems:


**Call from:**  
**Station 1**

Pick up the handset to start communicating with the calling station. The following will appear on the display:



**CONVERSATION**  
**ACTIVE WITH O.S.**

LED 16 is on.



Simply press  to turn call to an indoor set. The following will appear on the display:


CALL  
IN COURSE

To call another user, seek the name with the  or  buttons or enter the code.

From the time, the called user has from 10 to 40 seconds to answer (the pick up time is programmable). The following will appear on the display when the apartment user picks up:

CONVERSATION  
ACTIVE WITH I.S.


LED 18 will light up.

Press  to pick up the call on hold. The following will appear on the display:

CONVERSATION  
ACTIVE WITH O.S.

LED 16 will light up.


Press  to pick up the call on hold.


Press  to put the calling station directly into communication with the indoor set and end the concierge service cycle. The following will appear on the display:

CONVERSATION  
BT. I.S. & O.S.


LED 14 will light up.

## DOOR OPENER


The switchboard can open the door associated to the calling station. Simply press the  button to open the door.

Press  to open the door of a calling station at any time. The following message will appear:

Lock Release  
MAIN: \_

Enter the main door code (two digits) and press . The following will appear on the display:

Operation  
Performed

The secondary doors can also be opened (second edition only). In this case, the following message will appear after pressing  twice:

Lock Release  
SECONDARY: \_

Enter the secondary door code (one digit or one letter) and press .

## BUSY FUNCTION

This function is available only in systems with more than one calling device because in this case, a call must last for a sufficiently long time. The following message will appear:

LINE BUSY  
Please wait

Wait for the display to return to stand-by and make the call.

There are two types of busy conditions.


### BUSY TIME BEFORE THE CALLED USER PICKS UP

This is the maximum time available for the user to pick up the handset after the ring and/or press the door opener button without losing the call.


### BUSY TIME AFTER THE CALLED USER PICKS UP




This is the minimum conversation time ensured from when the handset is picked up.

## SETTING DATE AND TIME

The current time is shown on the display, in 'Stand-by' mode, 'Day' mode and 'Night' mode. Hold the  button pressed for longer than three seconds to access the date and time editing menu. The following will appear on the display:





Date: 06/05/02  
Time: 10:50:00

Set the day, month, year, hours, minutes and seconds and press  to confirm.

Use the dual function  buttons (LH) and  (RH) to move the cursor from one field to another. Use the switchboard keypad to enter the data. Press  to confirm at any time.

## SPECIAL FUNCTION BUTTONS 'F1' 'F2' 'F3' 'F4'

The switchboard has four function buttons for enabling suitably configured special services.

-  button operates 'Service 1'
-  button operates 'Service 2'
-  button operates 'Service 3'
-  button operates 'Service 4'

Press one of the buttons to operate the control. The following message will appear:

Operation  
Performed



## ADDITIONAL INFORMATION

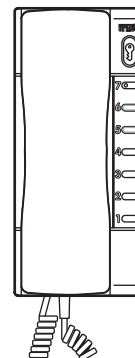
The following message will appear every three seconds if the bus line is down:

**NO CONNECTION**

The following message (containing firmware and revision date) will appear on the switchboard display for approximately one second, e.g.:

**Bibus System**  
**V1.0 10/10/01**

## BASIC DOOR PHONE Ref. 1172/31 COMFORT DOOR PHONE Ref. 1172/32



## PERFORMANCE

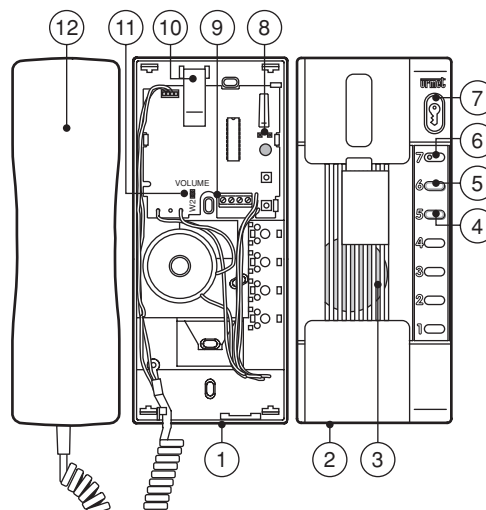
- Automatic 1st or 2nd edition system recognition
- Conversation privacy function (single integrated decoder).
- Two-tone door phone call.
- Two-door floor call (different from door phone call).
- Supplementary speaker for floor call and door phone call.
- Door opener button.
- Staircase light button.
- Switchboard call button.
- Video bracket control output.
- Visual call in progress signal.
- Door open indication (if service is active).
- Two-position door phone call and floor call volume selection low-high volume can be selected during installation (only 1172/31).

## ADDITIONAL PERFORMANCE 1172/32

- Two-position door unit call volume.
- Ringer mute function with visual indication by means of LED.
- Supplementary ringer 1072/59 control.
- Auxiliary supplementary button.

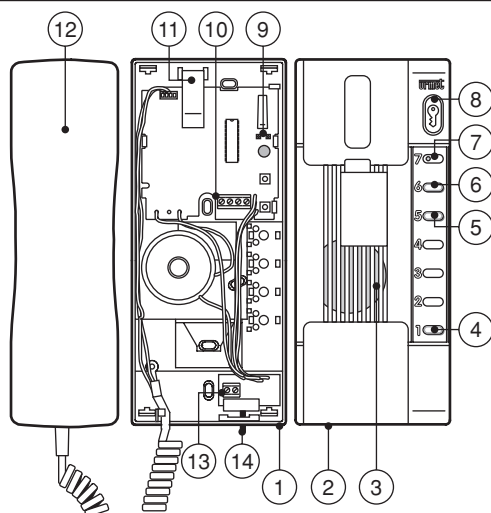
## STRUCTURE

The basic door phone consists of the following parts:



- 1 Base
- 2 Hood
- 3 Call speaker compartment
- 4 Concierge call button
- 5 Staircase light button
- 6 Open door LED
- 7 Open door button
- 8 Default data reset jumper (W1)
- 9 Terminal board
- 10 Handset lever
- 11 Volume regulation jumper (jumper on = volume high)
- 12 Handset

The comfort door phone consists of the following parts:



- 1 Base
- 2 Hood
- 3 Call speaker compartment
- 4 Auxiliary button
- 5 Concierge call button
- 6 Staircase light button
- 7 Open door LED
- 8 Open door button
- 9 Default data reset jumper (W1)
- 10 Terminal board
- 11 Handset lever
- 12 Handset
- 13 Supplementary ringer connection terminals
- 14 Volume/mute regulation

## DESCRIPTION OF TERMINAL BOARDS

- L1: bus connection (not polarised)  
 L2: bus connection (not polarised)  
 C1: floor call button input  
 C2: floor call button input  
 S+: supplementary ring control positive (only 1172/32)  
 S-: supplementary ring control negative (only 1172/32)

## TECHNICAL SPECIFICATIONS

- |  |                             |
|--|-----------------------------|
| Stand-by consumption:                        | 1.6mA max.                  |
| Active voice consumption:                    | 40mA max.                   |
| Working temperature range:                   | -5 +45°C                    |
| Humidity:                                    | 90% RH @ 30°C               |
| Supplementary ringer control (only 1172/32): | V max=30Vdc<br>I max=40mAdc |

## PROGRAMMING

Refer to the programming chapter for instructions on programming the door unit with digitiser Ref. 1072/19.

## CLEARING DOOR PHONE DATA

Stored programming data can be cleared as follows.

To activate the clear function:

- Open the door phone hood.
- Press the door opener button and short-circuit jumper "W1" contacts at the same time. Two courtesy beeps will be heard to confirm.

## OPERATION

The door phone outputs two different tones for door unit calls and floor button calls. A LED will flash to confirm in both cases.

The LED will light up fixed to indicate that one or more main input doors or the respective secondary door is open (where the service is activated only).

The door opener button will operate the lock in the following cases:

- for the entire conversation time.
- without hanging up for the programmed off-hook waiting time.

Calls can be made to the concierge in systems with concierge phone or switchboard. The performance will be different in the case of 1st edition or 2nd edition systems.

### Concierge calls in 2nd edition systems with concierge switchboard.

Lift the handset and press the concierge call button. Nothing will happen if the switchboard is off. Conversely, the door phone will beep and the call will be sent if the switchboard is on. Two possibilities may occur:

- 1 The switchboard answers within 10s or the door phone line is free: a conversation with the switchboard is established.
- 2 The switchboard does not answer within 10s or the door phone line is busy: the switchboard stores the call and the LED on the door phone will flash after the 10s time-out. Hang up and wait for the switchboard operator to return the call.

### Concierge calls in 2nd edition systems with concierge door phone.

Lift the handset and press the concierge call button. Nothing will happen if the door phone is off. Conversely, the concierge door phone will beep and the call will be sent if the concierge door phone is on.

Two possibilities may occur:

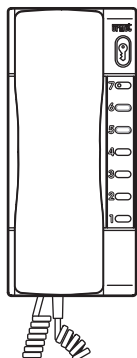
- 1 the concierge answers within 10s or the door phone line is free: a conversation with the concierge is established.
- 2 the concierge does not answer within 10s or the line is busy: the door phone LED will flash after the 10s time-out. Hang up and try again later.

### Concierge calls in 1st edition systems with concierge switchboard or door phone.

Lift the handset and press the concierge call button. Nothing will happen if the switchboard is off. Conversely, two possibilities may occur if the switchboard is on:

- 1 the door phone line is free: the call will be sent and two beeps will be heard. The LED will flash. Communication with start when the concierge picks up.
- 2 the door phone line is busy: no call is sent, the door phone does not sound and the LED does not flash. Hang up and try again later.

## CONCIERGE SWITCHBOARD Ref. 1172/33

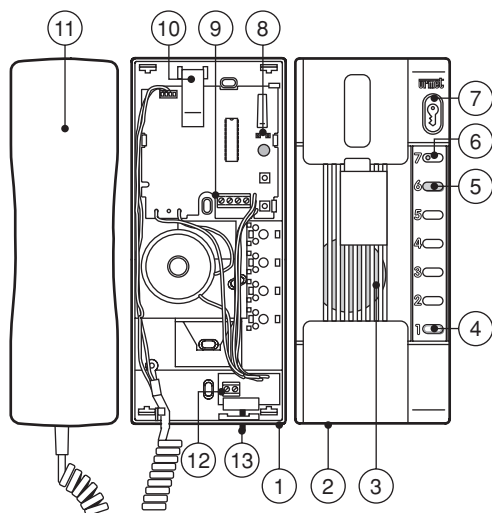


## PERFORMANCE

- Operation in 2nd edition systems only (contact the Urmet Domus Customer Service for replacing parts in old systems).
- Conversation privacy function (single integrated decoder).
- Two-tone door phone call.
- Two-door floor call (different from door phone call).
- Supplementary speaker for floor call and door phone call.
- Door opener button.
- Staircase light button.
- Video bracket control output.
- Visual call in progress signal.
- Door open indication (if service is active).
- Two-position door unit call volume.
- Ringer mute function with visual indication by means of LED.
- Supplementary ringer 1072/59 control.
- Auxiliary supplementary button.

## STRUCTURE

The concierge door phone consists of the following parts:



- 1 Base
- 2 Hood
- 3 Call speaker compartment
- 4 Auxiliary button
- 5 Staircase light button
- 6 Open door LED
- 7 Open door button
- 8 Default data reset jumper (W1)
- 9 Terminal board
- 10 Handset lever
- 11 Handset
- 12 Supplementary ringer connection terminals
- 13 Volume/mute regulation

## DESCRIPTION OF TERMINAL BOARDS

- L1: bus connection (not polarised)
- L2: bus connection (not polarised)
- C1: floor call button input
- C2: floor call button input
- S+: supplementary ringer control positive
- S-: supplementary ringer control negative

## TECHNICAL SPECIFICATIONS

Stand-by consumption:	1.6mA max.
Active voice consumption:	40mA max.
Working temperature range:	-5 +45°C
Humidity:	90% RH @ 30°C
Supplementary ringer control:	V max=30Vdc I max=40mAdc

## PROGRAMMING

Refer to the programming chapter for instructions on programming the door unit with digitiser Ref. 1072/19.

## CLEARING DOOR PHONE DATA

Stored programming data can be cleared as follows.

To activate the clear function.

- Open the door phone hood.
- Press the door opener button and short-circuit jumper "W1" contacts at the same time. Two courtesy beeps will be heard to confirm.

## OPERATION

The door phone outputs two different tones for door unit calls and floor button calls. A LED will flash to confirm in both cases.

The LED will light up fixed to indicate that one or more main input doors or the respective secondary door is open (where the service is activated only).

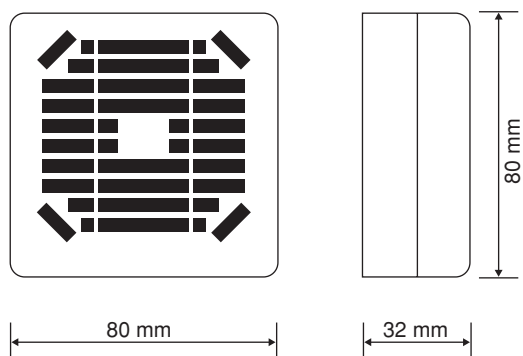
The door opener button will operate the lock in the following cases:

- for the entire conversation time.
- without hanging up for the programmed off-hook waiting time.

The concierge door phone can answer calls from other door phones. The door phone will ring when a call is received. The call is lost if no answer is received in 30s. Two cases may occur if the door phone answers before 30s:

- 1 The line is free: a conversation with the door phone is established.
- 2 The line is busy: the LED flashes. Hang up and wait for the operator to return the call.

## SUPPLEMENTARY THREE-TONE RINGING FOR BIBUS Ref. 1072/59

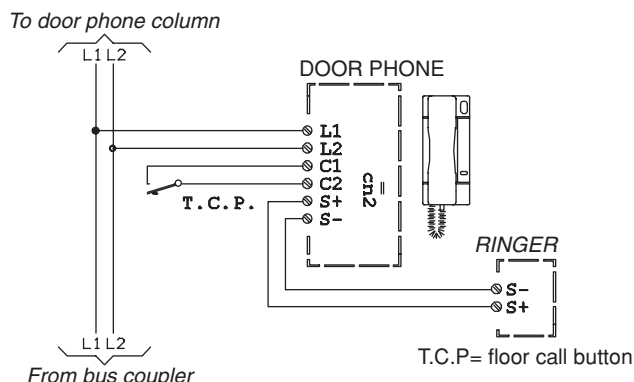


The two-tone supplementary ringer 1072/59 can only be used with comfort door phones Ref. 1172/32, concierge door phones Ref. 1172/33 and switchboards Ref. 1072/41. The ringer power must be self-standing (by means of 9V battery 6AM6-6LF22) because it cannot be powered by the apartment station. Use the internal jumper settings to change the call tone.

Dimensions (length x width x height): 80 x 32 x 80 mm

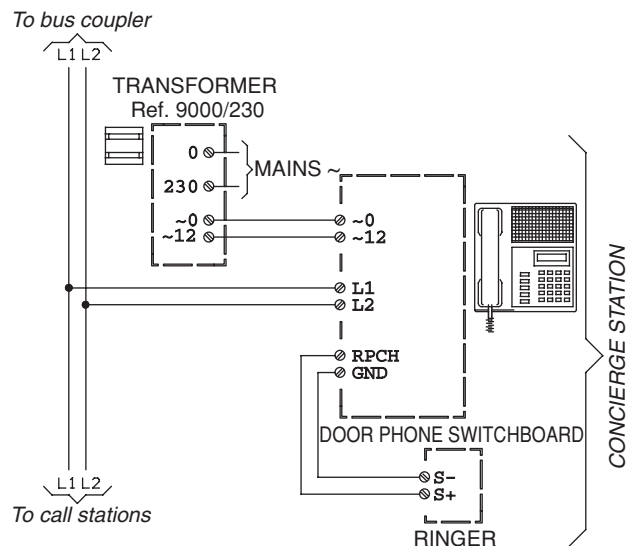
### Door phone ringer connection

SC124-0077



### Switchboard ringer connection

SC124-0077

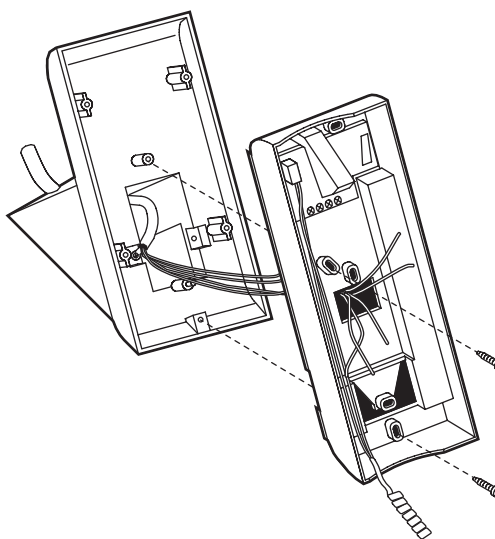
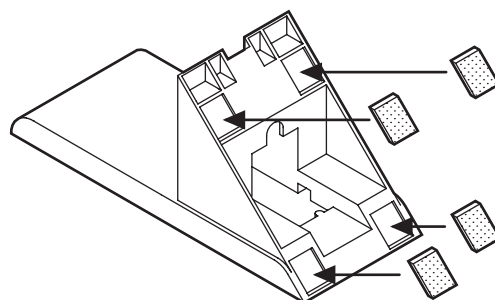


## TABLE MOUNTING KIT WHITE COLOUR Ref. 1132/50

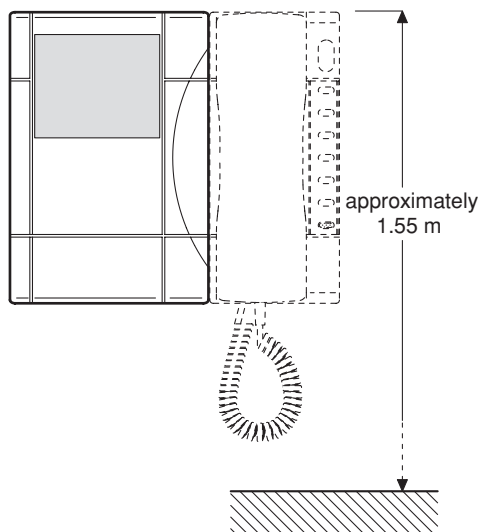
Use the dedicated transformation kit Ref. 1132/50 to set up the door phone table mounted version.

Operations to be carried up for assembly:

- Insert the 4 self-adhesive rubber pads provided under the base of the table support.
- Tighten the base of a house phone to the table support using the screws provided after inserting the conductors inside the house phone.
- Connect the conductors to the terminal strip of the house phone.
- Replace the cover of the house phone.
- Connect the conductors of the installation to the matching terminals of the socket.



## SCAITEL 4" VIDEO MODULE, WHITE Ref. 1732/1

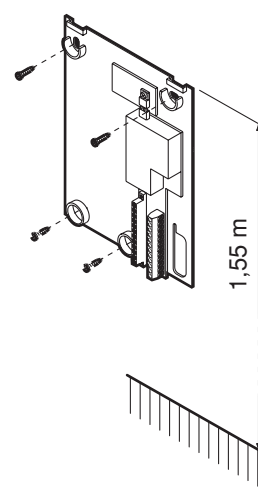
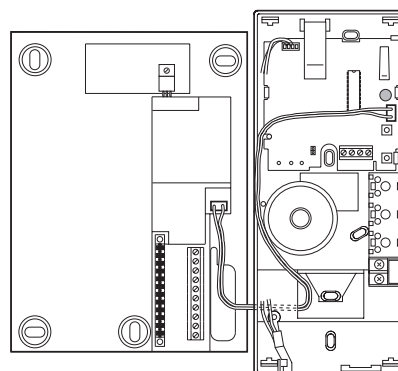


The Scaitel video module Ref. 1732/1 is a 4" flat screen monitor which can be used with dedicated door phones to make video door phone systems.

It is provided with two external controls for adjusting brightness and contrast.

The video module is fastened to the wall by a bracket with connector and terminal board. An accessory is provided for table mounting.

## BIBUS WALL BRACKET FOR VIDEO MODULE SCAITEL Ref. 1732/956



## DESCRIPTION OF TERMINAL BOARDS

- A Differential video signal connection with distributor
- B Differential video signal connection with distributor
- A1 Differential video signal connection without distributor
- B1 Differential video signal connection without distributor
- R1 Monitor negative power connection
- R2 Monitor positive power connection
- CN2 Connection between monitor and Bibus door phone using specifically provided wire
- RD For connecting monitors in parallel

## INSTALLATION

Assemble and arrange the Scaitel modules side by side as shown in the instructions provided with the product. Connect the door phone to the video bracket by means of the wire provided. Lay the wire as shown in the drawing.

### INSTRUCTIONS FOR FIXING THE BRACKET TO THE WALL

1. Pre-arrange the cable conduit so that it ends in correspondence of the foreseen entrance hole.
2. Fix, by means of the four screws, the bracket to the wall at the given height from the ground.
3. Connect wires to the proper terminals.
4. Pull out stop hook **A**.
5. Insert the monitor in the bracket.
6. Block the monitor pushing stop hook **A** towards the inside.

## TABLE MOUNTING KIT FOR VIDEO MODULE WITHOUT BRACKET, WHITE Ref. 1732/56

Use the dedicated transformation kit Ref. 1132/56 to set up the door phone table mounted version.

Proceed as follows:

- Insert the four adhesive rubbers provided in the housings under the base of the table mounting stand (fig. 2).
- Break the base of one of the three wire passage areas shown in fig. 2.
- Insert the junction box wire in the hole and fasten it with the U-bolt and screw ( $\alpha$ ) provided to the table.
- Fasten the bracket using the specific screws ( $\alpha$ ) (fig. 1).
- Connect the junction box wires to the specific terminals on the bracket.
- Extract the bolt "A" from the monitor (fig. 1).
- Fasten the monitor to the bracket and lock it by pushing the bolt "A" inwards.
- Connect the system wires to the corresponding junction box terminals.

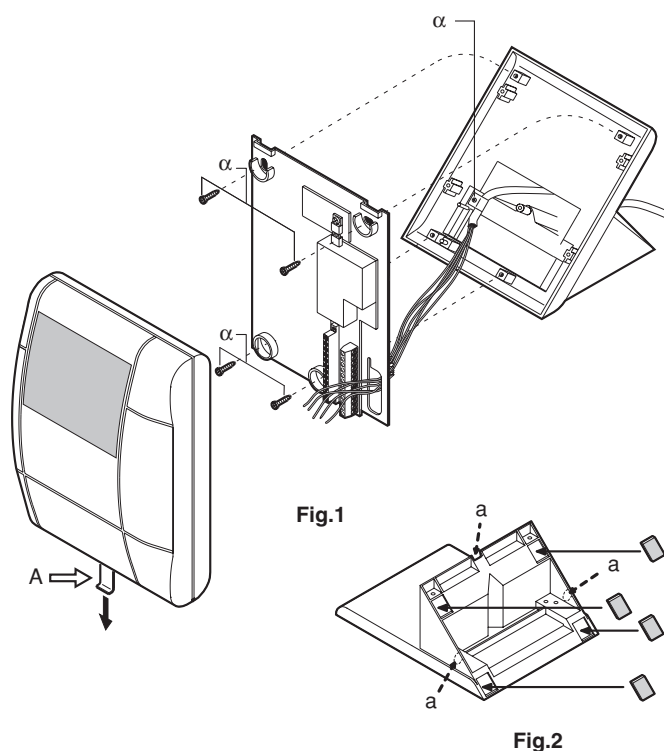


Fig.1

Fig.2

## INSTRUCTIONS FOR FITTING A DOOR PHONE SIDE BY SIDE

Proceed as follows:

- Insert the four adhesive rubbers provided in the housings under the base of the table mounting stand.
- Join the two table mounting stands putting the monitor stand on the left.
- Fasten the flat plates "G", "H" (fig.3) on the front and the shim "L" provided on the back.
- Break the corresponding areas **a**, **b**, **c**, **d**, to position the plates; break walls **g**, **h**, to position shim "L" ( $\gamma$ ) (fig.3 and 4).
- Fasten the monitor bracket and the base of the door phone to the corresponding stands by means of the specific screws ( $\alpha$ ) as shown above.
- Connect the junction box wires to the specific terminals.
- Break areas **e**, **f**, in the table stand walls and see figure for interconnections between the video module and the door phone (fig. 5).
- Extract the stop bolt "A" from the monitor.
- Fasten the monitor to the bracket and lock it by pushing the bolt "A" inwards.
- Fasten the device by the side of the base.
- Connect the system wires to the corresponding junction box terminals.

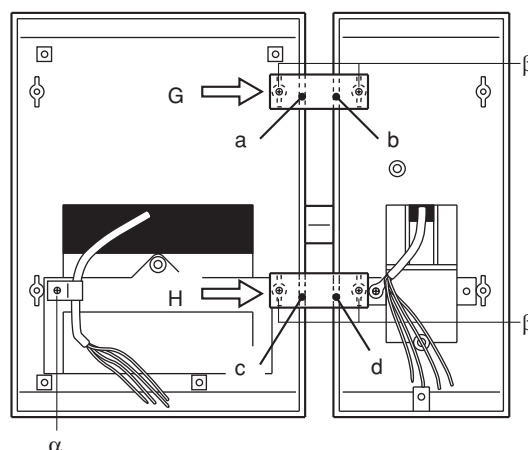


Fig. 3

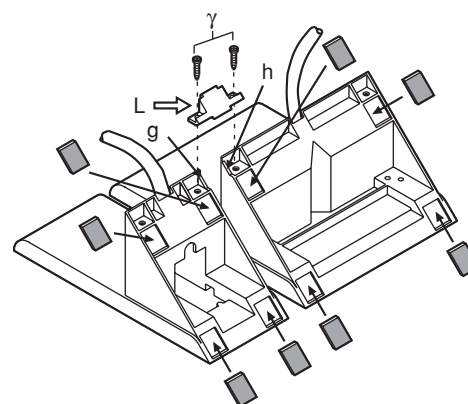


Fig. 4

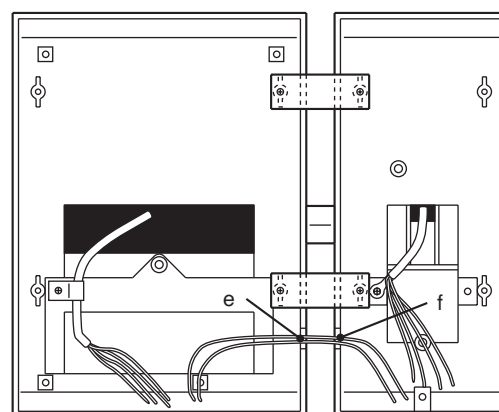



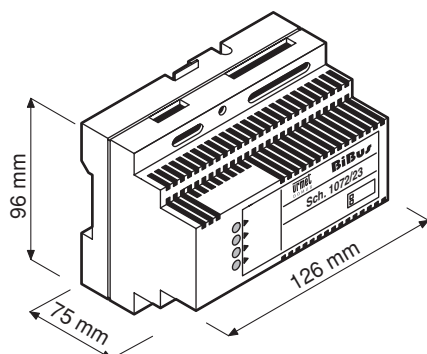


Fig. 5

$\alpha$	5 x		3.5 x 13 mm
$\beta$	4 x		2.9 x 9.5 mm
$\gamma$	2 x		2.9 x 13 mm



## BUS COUPLER 50 USERS Ref. 1072/23



## PERFORMANCE

- Powers the two-wire bus on main push-button panel side: up to 12 stations + 1 switchboard.
- The bus on door phone side is called the "riser" and is split into four spines. The four spines are reciprocally equivalent and can be separately cut off in the case of a failure. This event is indicated by the four LEDs corresponding to the spines.
- Powers the riser (four spines and two wires): max. 50 door phones + 1 secondary push-button panel. Up to 30 door phones + 1 secondary push-button panel can be connected if open door LED feature is provided. In this case, an additional coupler cannot be used to increase the number of door phones in the riser if this is connected to a secondary call station.
- Repeats the data between the two buses.
- Provides bus line impedance on main push-button panel side and door phone side to allow audio modulation.
- Provides the current needed to generate the door phone call and the floor call.
- Couples the voice of the two buses.

## DESCRIPTION OF TERMINALS, CONFIGURATIONS AND DISPLAYS

~0,~24: Power via transformer Ref. 1072/20A  
 L1, L2: Connection to bus on main push-button panel side  
 B1A, B1B: Connection to riser spine 1  
 B2A, B2B: Connection to riser spine 2  
 B3A, B3B: Connection to riser spine 3  
 B4A, B4B: Connection to riser spine 4  
 B1: Spine 1 working LED  
 B2: Spine 1 working LED  
 B3: Spine 1 working LED  
 B4: Spine 1 working LED  
 M/S: Master/Slave configuration plug connector

## TECHNICAL SPECIFICATIONS

Nominal power voltage: **24Vac**  
 Maximum stand-by consumption: **200mArms**  
 Working temperature range: **-5°C +45°C**  
 Humidity: **90% RH @ 30°C**

## INSTALLATION AND CONFIGURATION

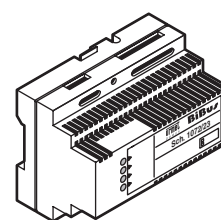
Install the coupler in a dry place. Keep slots open to prevent overheating the device. Do not install the coupler near devices generating strong magnetic fields. The device can be fitted on a DIN EN 43870 bar (7 modules).

The coupler is configured as a slave by default. Insert the specific plug provided to configure the coupler as a master.

**NOTE: Only one coupler can be configured as a master in each system. All other coupling devices must be configured as a slave.**



"Master-Master"  
configuration



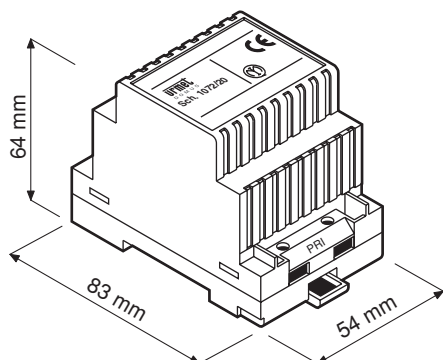
"Slave-Slave"  
configuration

Each coupler can be connected to up to 50 door phones (including door phones in parallel) in four spines. Organisation in spines is useful because if a spine fails (spine bus short-circuit or faulty door phone), it can be cut off from the system permitting the remaining spines to work normally.

## TROUBLESHOOTING

The bus coupler has four LEDs indicating the status of the respective door phone spine. One or more coupler LEDs will go out to indicate a short-circuit on the corresponding door phone spine.

**TRANSFORMER 230/24Vac 16VA Ref. 1072/20A**



**PERFORMANCE**

The main characteristics of the system are:

- powers the bus coupler;
- can be fitted on a DIN EN 43870 or by means of screws (not provided);
- PTC protected from overload or short-circuit.

**DESCRIPTION OF TERMINAL BOARDS**

~0 ~230Vac mains voltage  
~0 ~24 Vac 24Vac output

**TECHNICAL SPECIFICATIONS**

Power: **16VA**  
Power voltage: **230Vac 50-60Hz**  
Nominal output voltage: **24Vac**  
Safety transformer with PTC protection.  
Working temperature range: **+0°C / +40°C**  
Humidity: **90% RH @ 30 °C**

**DIMENSIONS**

Length: 54 mm (three 18-mm DIN modules)  
Width: 83 mm  
Height: 64 mm

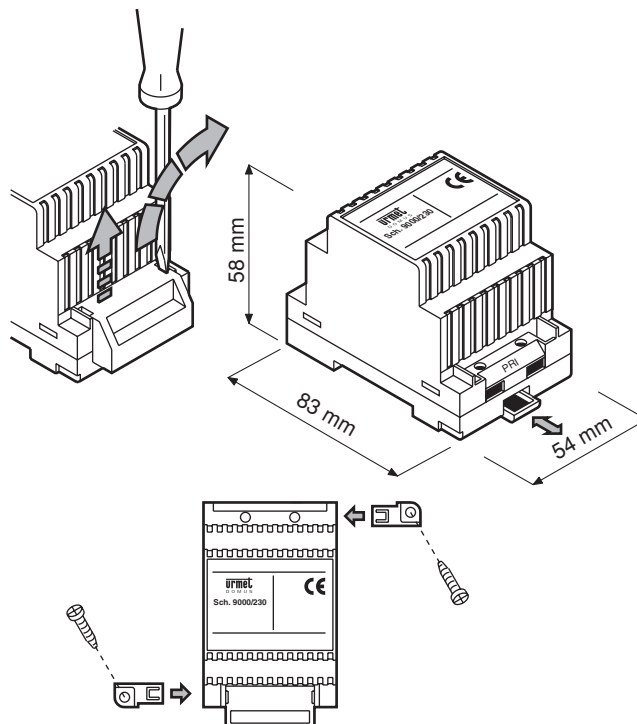
**INSTALLATION**

Install the transformer in a dry place.  
Keep slots open to prevent overheating the device.

**TRANSFORMER 110/24Vac 16VA Ref. 1072/110**

The transformer Ref. 1072/110 has the same characteristics as the Ref. 1072/20A model; the only difference concerns the power voltage (110Vac instead of 230Vac).

**SECURITY TRANSFORMER Ref. 9000/230**



URMET DOMUS Ref. 9000/230 transformer is used to power Bibus 2nd Edition locks in systems fitting traditional push-button panels and door units with digitiser. Suitable for DIN bar fitting, the device was designed and made in compliance with the laws in force concerning isolation and safety transformers being protected from direct and indirect contact as required by the electrical system standards in force. It carries IMQ marking and respective certifications. The transformer can be used to power up to 5 bulbs per push-button panel.

**ELECTRICAL SPECIFICATIONS**

Power: **230 Vac, 50/60 Hz**  
Power: **18 VA**  
Secondary: **12 Vac**  
Peak load: **1.1A**  
Protections: **with PTC**  
Dissipated power after 1 average working hour: **1.8 W**

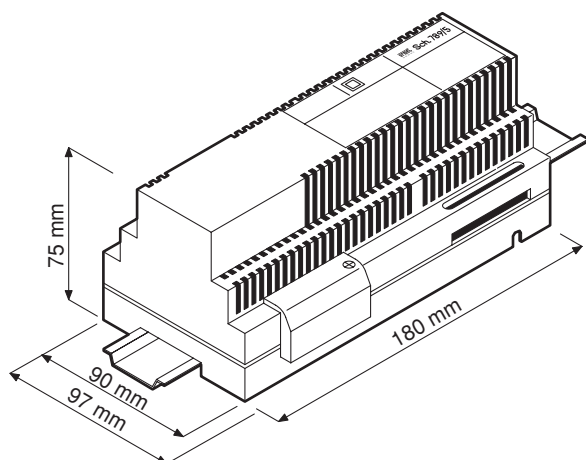
Disconnect for 60" to reset after a short-circuit.

**DIMENSIONS**

Length: 54 mm (three 18-mm DIN modules)  
Width: 83 mm  
Height: 58 mm



## VIDEO POWER SUPPLY Ref. 789/5



## PERFORMANCE

The video power unit Ref. 789/5 has the following characteristics:

- it provides continuous voltage suitable for powering 1 Scatell monitor Ref. 1732/1 and one camera;
- it provides alternating voltage suitable for powering 1 electrical lock and a group of 2 name tag light bulbs;
- it is equipped with PTC overload and short-circuit protections;
- it is suitable for DIN bar fitting.

The video door phone power units Ref. 789/5 was designed in compliance with safety standards CEI 12/13 and 64/8; it carries IMQ marking.

The casing can be DIN bar fitted in a dry, sheltered place.

The power unit is equipped with a timer which is set to 50". The timer can be set from 45" to 180" using the respective command.

A supplementary power unit Ref. 789/2 or Ref. 789/3 (see table) must be used to connect more than one monitor in parallel.

Monitor mod.	Power units	
	789/2	789/3
Winflat, Winspot or Scatell	Max 1 monitor	Max 3 monitors
Sentry	Max 1 monitor	Max 2 monitors

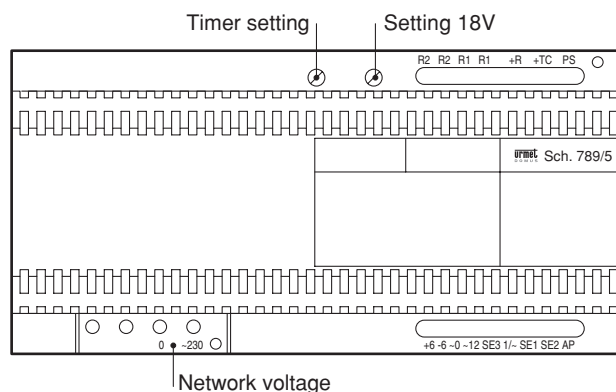
## DESCRIPTION OF TERMINAL BOARDS

0-230	Mains power voltage
R1	Video power negative
R2	Video power positive
+TC	Camera power positive
+R	Additional relay power positive for video signal switching (to be wired when two or more cameras are connected)
~0 - ~12	Power for electrical lock and two name tag lights
PS	Power on signal to be connected to calling station

## TECHNICAL SPECIFICATIONS

Power voltage:	230Vac $\pm$ 10% 50/60 Hz
Power:	38VA
Not timed outputs:	12Vac 0.4A 2A (electrical lock max. 2 bulbs) +R 0.11A R2 0.65A
Timed outputs:	45" - 180" (adjustable 50" $\pm$ 10 %)
Timer:	5 A
Door lock release relay contacts:	S1 normally open S2 common S3 normally closed
description of terminals	with PTC overload protection (*) -5° + 45° C
Protections	180 x 75 x 90 mm
Temperature	1030 g
Dimensions	5.7 W
Weight	
Dissipated power after 1 average working hour:	
The length of 180 mm corresponds to ten 18-mm DIN modules.	

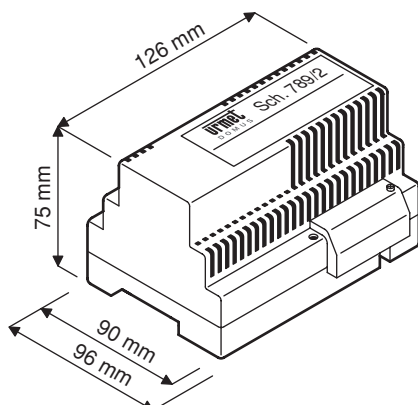
(\*) Disconnect the main power for at least 60" to reset the power unit if the PTC trips due to overload or short-circuit.



## TYPES OF WIRES IN THE SYSTEM

See the tables in the "Bibus system - Installation" section.

LOCAL POWER SUPPLY FOR 1 ADDITIONAL MONITOR Ref. 789/2



The Ref. 789/2 power supply is used to power one additional monitor in parallel to a main monitor.

TECHNICAL SPECIFICATIONS

Power supply:	230 Vac $\pm$ 10% 50/60 Hz
Power:	28 VA
Outputs:	R2 out 0.65 A int.
	RL 0.02 A
	V2 0.02 A

Protection: with PTC thermal cutout (\*)

Operating temperature  $-5^{\circ}\text{C} \div +45^{\circ}\text{C}$

(\*) If the PTC thermal cutout is tripped due to overload, cut off mains voltage for at least 60" to reset the power supply unit.

STYLING AND DIMENSIONS

The power supply can be installed on a DIN bar or wall surface mounted using 2 screws and plugs.

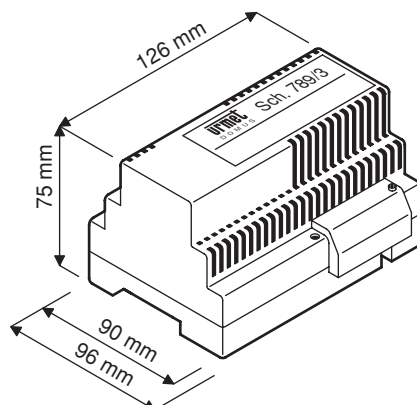
DIMENSIONS

The dimensions of the power supply are:  
length: 126 mm (7 DIN modules)  
width: 96 mm  
height: 75 mm

The length of 72 mm corresponds to seven 18-mm modules.

Connections are made by means of screw type terminal blocks. The terminal blocks can accept conductors with a maximum cross-section of 1.5 mm<sup>2</sup>.

LOCAL POWER SUPPLY FOR 3 ADDITIONAL MONITORS Ref. 789/3



The Ref. 789/3 power supply is used to power two additional Mod. Sentry monitors or 3 additional monitors Mod. Winflat, Winspot or Scaitel in parallel to a main monitor.

TECHNICAL SPECIFICATIONS

Power supply:	230 Vac $\pm$ 10% 50/60 Hz
Power:	38 VA
Outputs:	R2 out 1.35 A int.
	RL 0.02 A
	V2 0.02 A

Protection: with PTC thermal cutout (\*)

Operating temperature  $-5^{\circ}\text{C} \div +45^{\circ}\text{C}$

(\*) If the PTC thermal cutout is tripped due to overload, cut off mains voltage for at least 60" to reset the power supply unit.

STYLING AND DIMENSIONS

The power supply can be installed on a DIN bar or wall surface mounted using 2 screws and plugs.

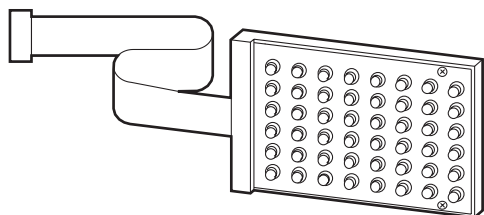
DIMENSIONS

The dimensions of the power supply are:  
length: 126 mm (7 DIN modules)  
width: 96 mm  
height: 75 mm

The length of 72 mm corresponds to seven 18-mm modules.

Connections are made by means of screw type terminal blocks. The terminal blocks can accept conductors with a maximum cross-section of 1.5 mm<sup>2</sup>.

**PROGRAMMING KEYBOARD Ref. 1032/65**

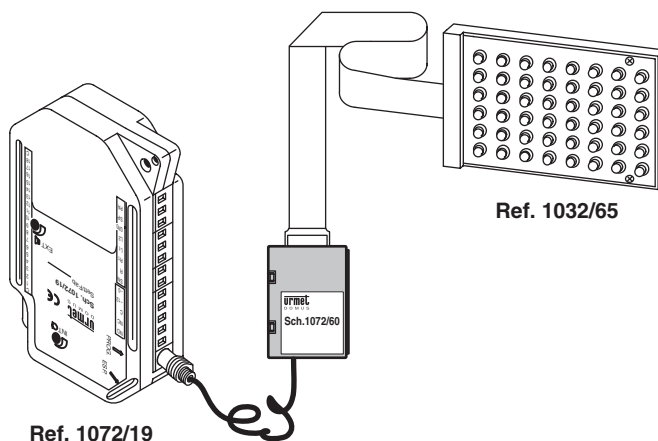


The programming keyboard Ref. 1032/65 is used to program the following devices:

- Bibus calling module Ref. 1072/12
- 2-wire concierge switchboard Ref. 1072/41

See the respective sections for parameters and programming methods of these devices.

**PROGRAMMING ADAPTER Ref. 1072/60**



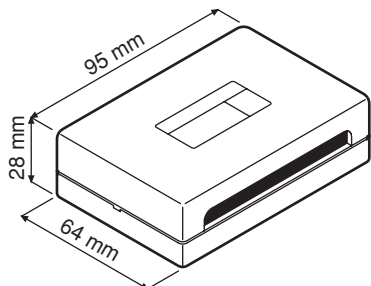
**PERFORMANCE**

The programming adapter Ref. 1072/60 can be used in combination with keyboard Ref. 1032/65 to program door unit user codes and configuration parameters Ref. 1072/19.

**TECHNICAL SPECIFICATIONS**

Intake: <5mA  
Temperature/humidity: -10°C/50°C / 90% RH @ 30°C

## FOUR USER DISTRIBUTION BOX Ref. 955/40

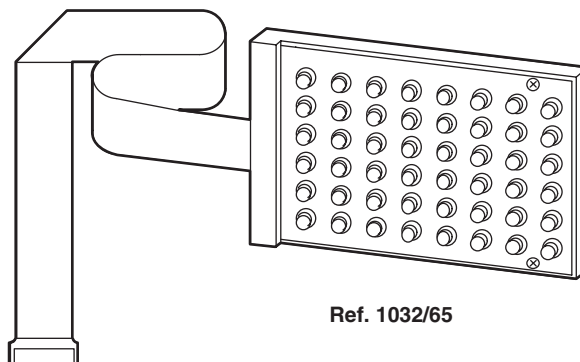


Video monitors must be connected using floor distributors which are essentially for distributing the video signal.  
The distribution box Ref. 955/40 has 1 input, 1 passing output and 4 extension outputs to the respective monitors.

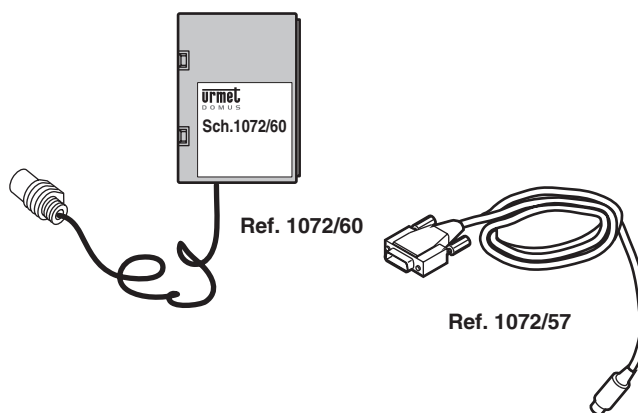
### DESCRIPTION OF TERMINAL BOARDS

In	}	R2	Power input (positive)
		R1	Power input (earth)
		A	Differential video input (negative)
		B	Differential video input (positive)
Out (column output)	}	R2	Power output (positive)
		R1	Power output (earth)
		A	Differential video output (negative)
		B	Differential video output (positive)
I II III IV (monitor output)	}	R2	Power output (positive)
		R1	Power output (earth)
		A	Differential video output (negative)
		B	Differential video output (positive)

## PROGRAMMING KIT BIBUS 2<sup>ND</sup> EDITION Ref. 1072/58



Ref. 1032/65



Ref. 1072/60

Ref. 1072/57

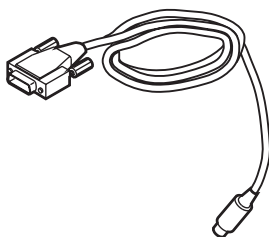
The programming kit consists of the following devices:

- 1 programming keyboard Ref. 1032/65
- 1 programming adapter Ref. 1072/60
- 1 Bibus-PC programming wire Ref. 1072/57.

The product can be used to program all components in the system (except for door phones), namely:

- Door unit with digitiser Ref. 1072/19 by means of adapter (Ref. 1072/60) and keyboard (Ref. 1032/65);
- Calling module Ref. 1072/12 and switchboard Ref. 1072/41 by means of keyboard (Ref. 1032/65) or connection wire (Ref. 1072/57) connected to a Personal Computer where the B-Bus 2nd Edition software is installed (the software can be downloaded free of charge from the Urmet Domus web site at [www.urmetdomus.it](http://www.urmetdomus.it)).

## CABLE FOR PROGRAMMING DIRECTORIES FROM THE PC Ref. 1072/57

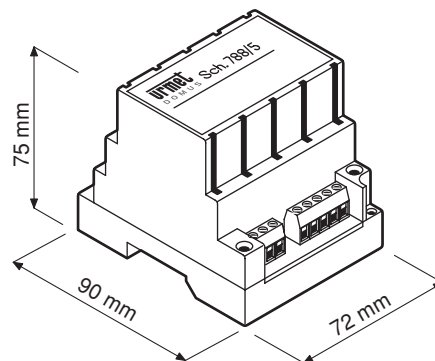


The programming kit can be used to connect the calling module Ref. 1072/12 to a Personal Computer.

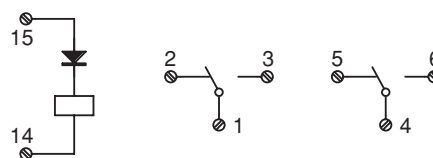
The Personal Computer must be equipped with B-Bus 2nd Edition software which can be downloaded free of charge from the Urmet Domus web site at [www.urmetdomus.it](http://www.urmetdomus.it).

The software can also be used to program the concierge switchboard using the specific serial wire.

## SUPPLEMENTARY RELAY Ref. 788/5



The device Ref. 788/5 consists of a relay with two toggle contacts and is used to build Bibus 2nd Edition video door phone systems.



The device must be installed in a protective casing when it is used to power voltage exceeding 24V to meet safety regulations.

The device can be DIN bar fitted or wall fitted using screws and bolts.

Dimensions:

- Length: 72 mm (four 18-mm DIN modules)
- Width: 90 mm
- Height: 75 mm

The casing is made of ABS plastic.

The connections are made using screw-on terminal boards and clamps.



# INSTALLATION DIAGRAMS

**BiBus** II ED.

## NOTES

## CU.001

## MINIMUM WIRE CROSS-SECTION AREAS

## FROM DOOR UNIT TO TRANSFORMER

Distance	m	50	-	-	-
Wires ~0 - ~24	S mm <sup>2</sup>	1,5	-	-	-

## FROM TRANSFORMER TO LOCK

Distance	m	50	-	-	-
Wires ~0 - ~24	S mm <sup>2</sup>	1,5	-	-	-

## FROM MAIN STATION TO COUPLER

Distance	m	50	100	200	400
Wires L1 - L2	S mm <sup>2</sup>	0,75	0,75	1,5	2,5

## FROM COUPLER TO LAST APARTMENT STATION OR SECONDARY STATION

Distance	m	50	100	200	-
Wires L1 - L2	S mm <sup>2</sup>	0,75	0,75	0,75	-

## FROM COUPLER TO TRANSFORMER

Distance	m	50	-	-	-
Wires ~0 - ~24	S mm <sup>2</sup>	1,5	-	-	-

## FROM COUPLER TO SWITCHBOARD

Distance	m	50	100	200	400
Wires L1 - L2	S mm <sup>2</sup>	0,75	0,75	1,5	2,5

## FROM SWITCHBOARD TO TRANSFORMER

Distance	m	50	-	-	-
Wires ~0 - ~12	S mm <sup>2</sup>	1,5	-	-	-

**NOTE:** Lay the bus wires (L1 - L2) at a suitable distance from the power lines (more than 10 cm, where possible). This precaution will prevent interference. Refer to telephone installation regulations if the use of common conduits cannot be avoided (with a metallic partition).

**WARNING:** Avoid laying door unit bus wires in the same conduits with apartment station bus wires. Avoid arranging door unit bus wires leading to different couplers in the same conduit.

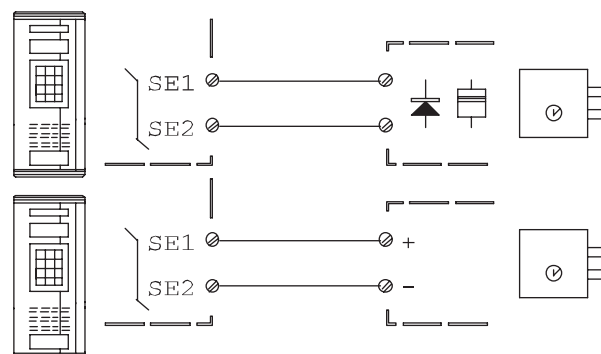
## CU. 002

Insert the connector (provided with product) to M/S socket in only one of the bus couplers in the system. This will be the master unit. Each coupler can manage up to 50 users split on four outputs.

## CU. 003

The door unit must be installed in a suitable set-up 2-row push-button panel (e.g. Mod. Aura or Ref. 725; or Ref. 825 for 1+1 systems).

## CU.004



Always connect SE1 to the positive pole of the electrical lock (if polarised). If a polarisation diode is used, connect the SE1 terminal to the cathode of this diode.

## CU.005

Cut and isolate the red speaker wire.

## VD.007

Floor call button.

## V5. 002

Provide two wires for switching on the push-button panel light bulbs. Use a power transformer suitable to the number of light bulbs. The system transformer is sufficient from up to two light bulbs (use of transformer Ref. 9000/230 is recommended for up to five bulbs).

## V5.004

Insert two 82 Ohm resistors (provided) between terminals R1-A and R1-B on the last distributor.

## VU.001

## WIRE CROSS-SECTION AREAS

## CONTROL SYSTEM AND RELAY CONTROL

Distance	m	50	100	-	-
Wires R - SN - +R	S mm <sup>2</sup>	0,5	1	-	-

## FROM POWER UNIT TO VIDEO DEVICES

Distance	m	50	100	200	-
Wires R1 - R2 - +TC	S mm <sup>2</sup>	0,75	1,5	2,5	-
Wires A - B - A1 - B1	S mm <sup>2</sup>	0,25	0,25	0,25 (double)	-

The diagrams indicate the distance between the camera and most distant door phone unit.

Normal wires can be used for distances up to 100 metres. For higher distances (up to 200 metres) the wires A and B (A1 and B1) must be doubled.

## VU.002

Follow the instructions provided with the product for fitting the camera.



### VU.003

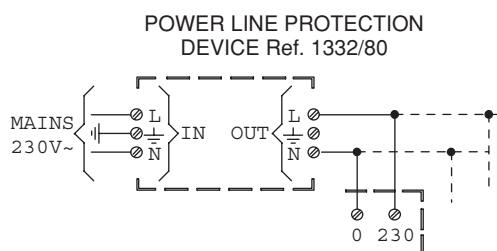
Use the wire (provided) to connect the switchboard to the video module. Connect the long terminal to terminal CV and the short terminal to GND.

### VU.004

The common section (wire A1 and B1 in, wire A1 and B1 out) runs in the same connection tube from monitors 1 and 2 must be max. 1 metre in length.

### VX.008

Connect the devices to a power line protection device.



### VX. 014

Dusk switch or similar (where fitted).

**SC124-0072****DEVICES**

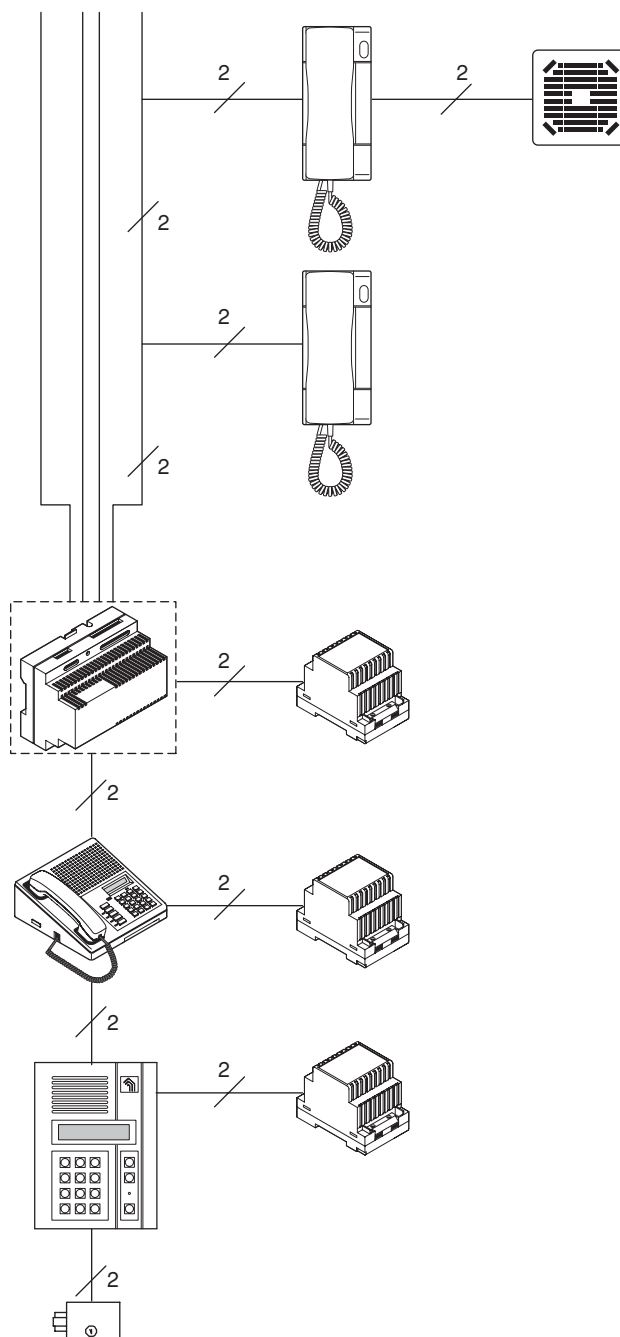
n. 50 (*)	Basic door phones	<b>Ref. 1172/31</b>
	Comfort door phones	<b>Ref. 1172/32</b>
	Concierge switchboard	<b>Ref. 1172/33</b>
	Table mounting kit	<b>Ref. 1132/50</b>
(*)	(Include all door phones connected in parallel to the count)	
n. X	Supplementary rings	<b>Ref. 1072/59</b>

**N.B.** The supplementary door phone can only be used with comfort door phones. Ref. 1172/32 or concierge model Ref. 1172/33.

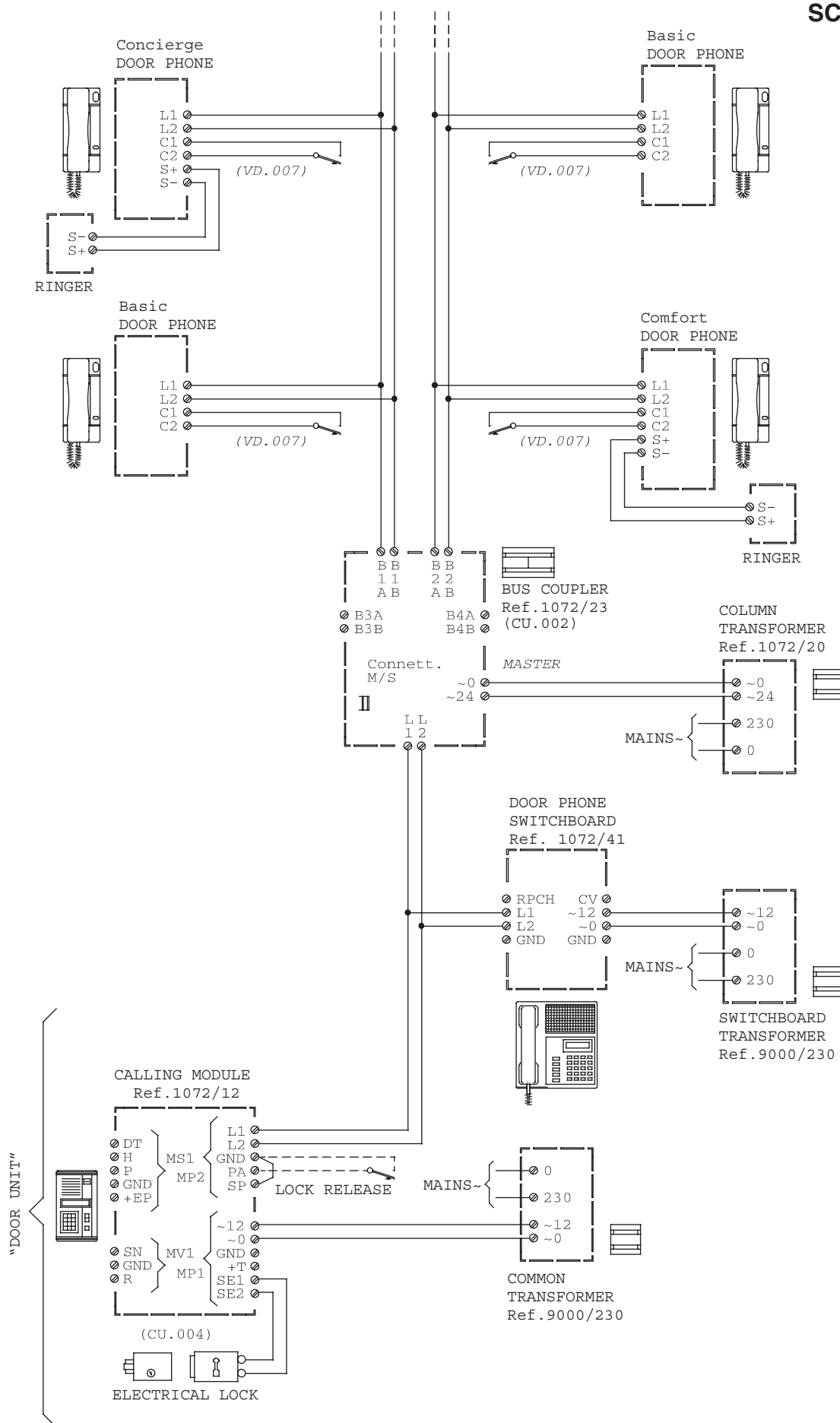
n. 1	Bus coupler	<b>Ref. 1072/23</b>
n. 1	Column transformer	<b>Ref. 1072/20</b>
n. 1	Door phone switchboard	<b>Ref. 1072/41</b>
n. 1	Door phone switchboard	<b>Ref. 9000/230</b>
n. 1	Calling module	<b>Ref. 1072/12</b>
n. 1	Transformer	<b>Ref. 9000/230</b>

**DIAGRAM NOTES**

CU.001  
CU.002  
CU.004  
VD.007

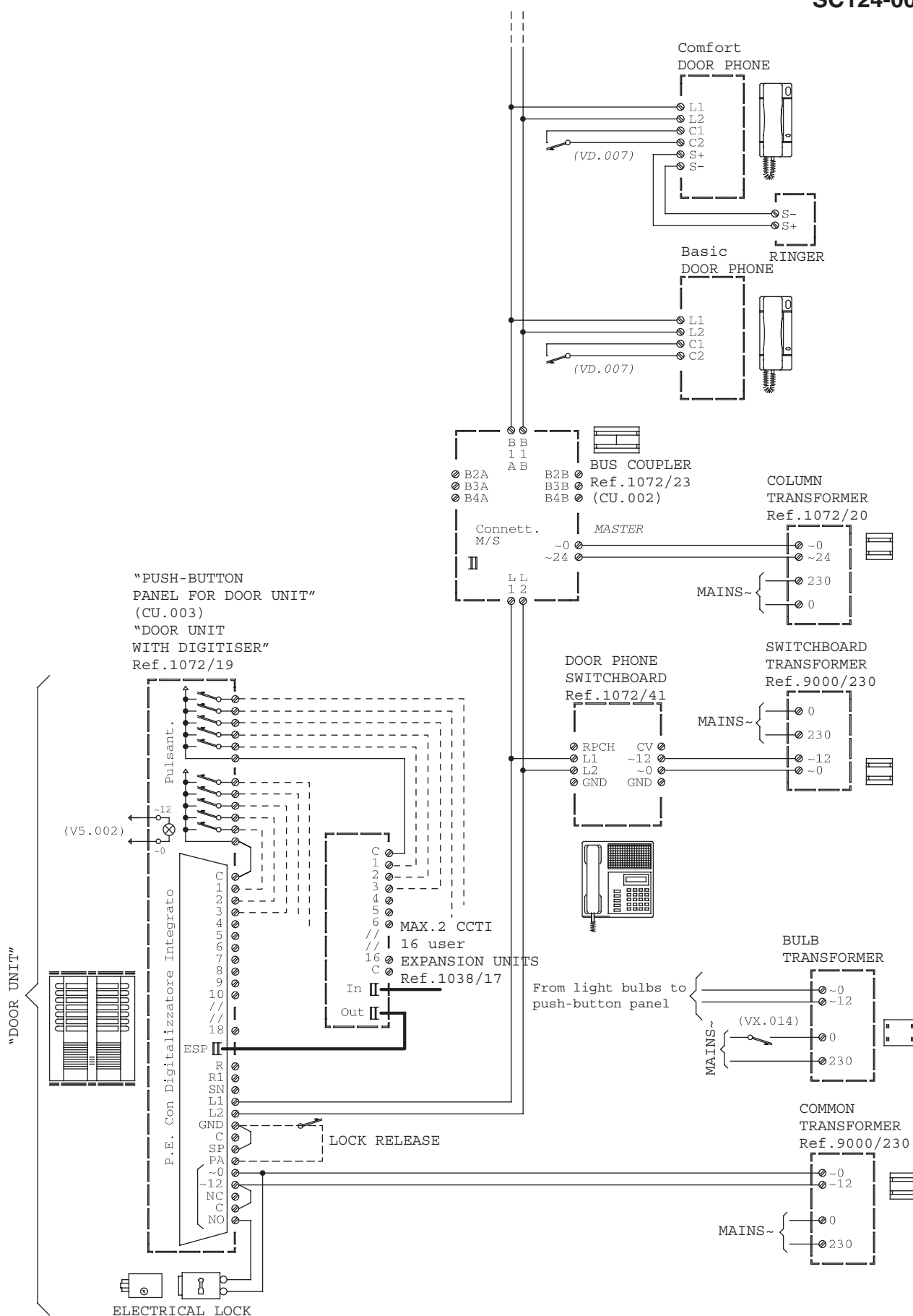


SC124-0072

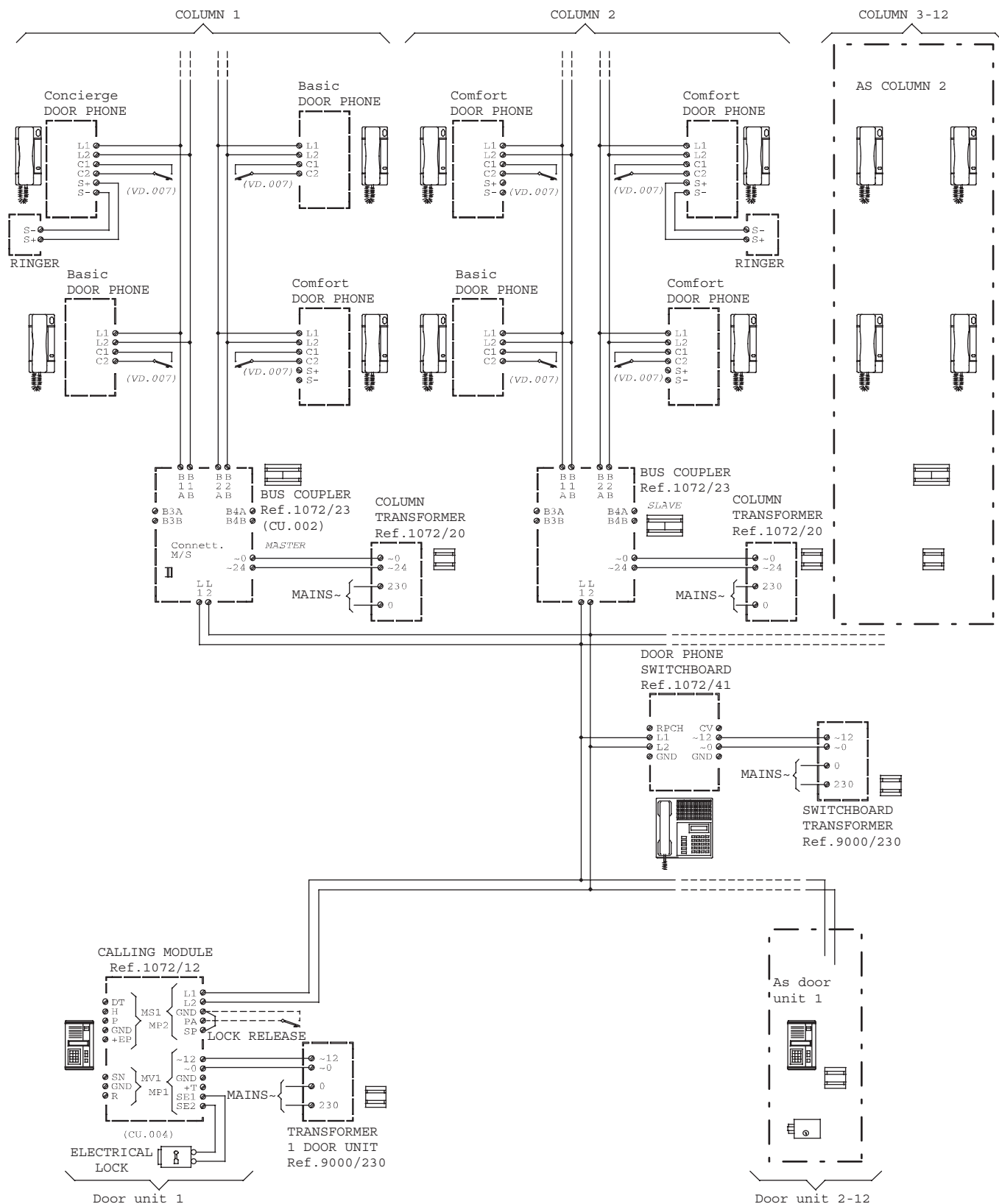




SC124-0073A

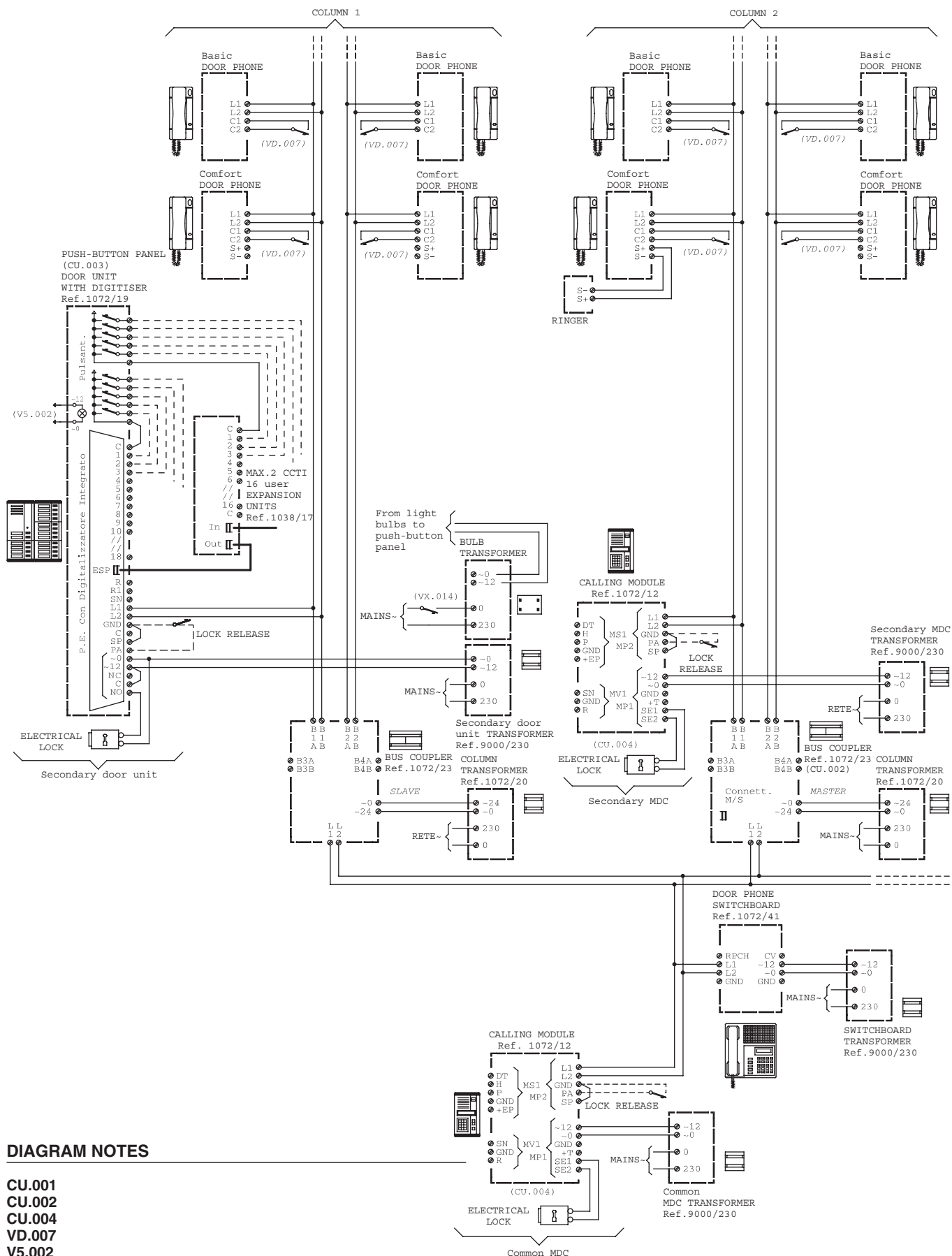


## SC124-0074



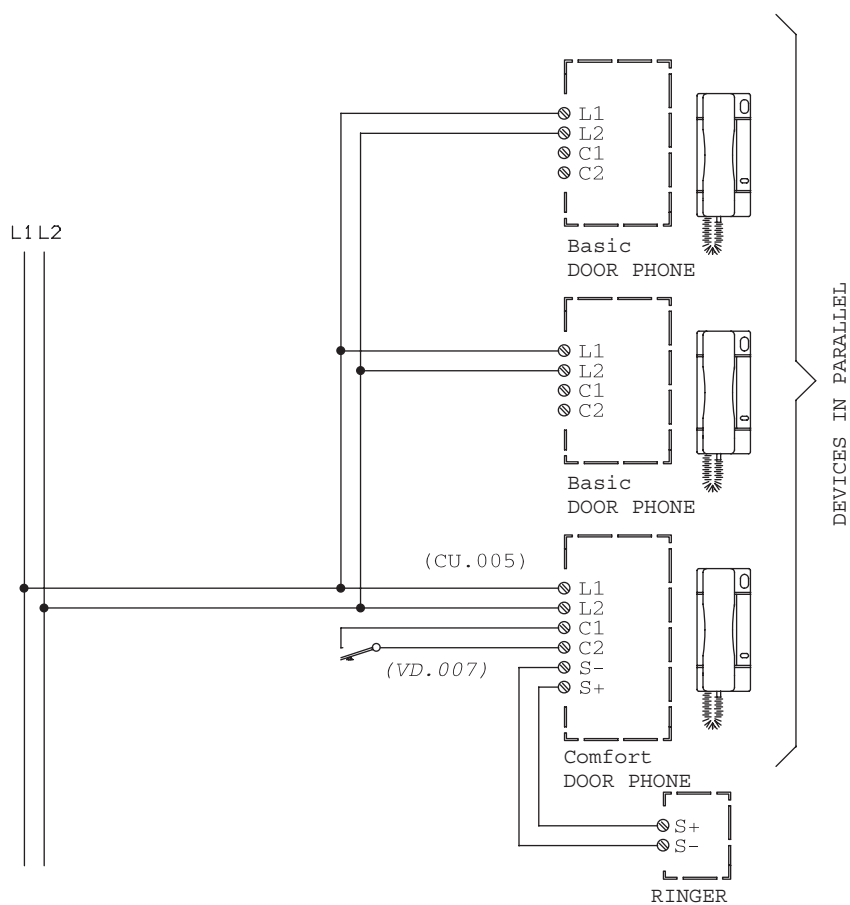
## DIAGRAM NOTES

CU.001  
CU.002  
CU.003  
VD.007





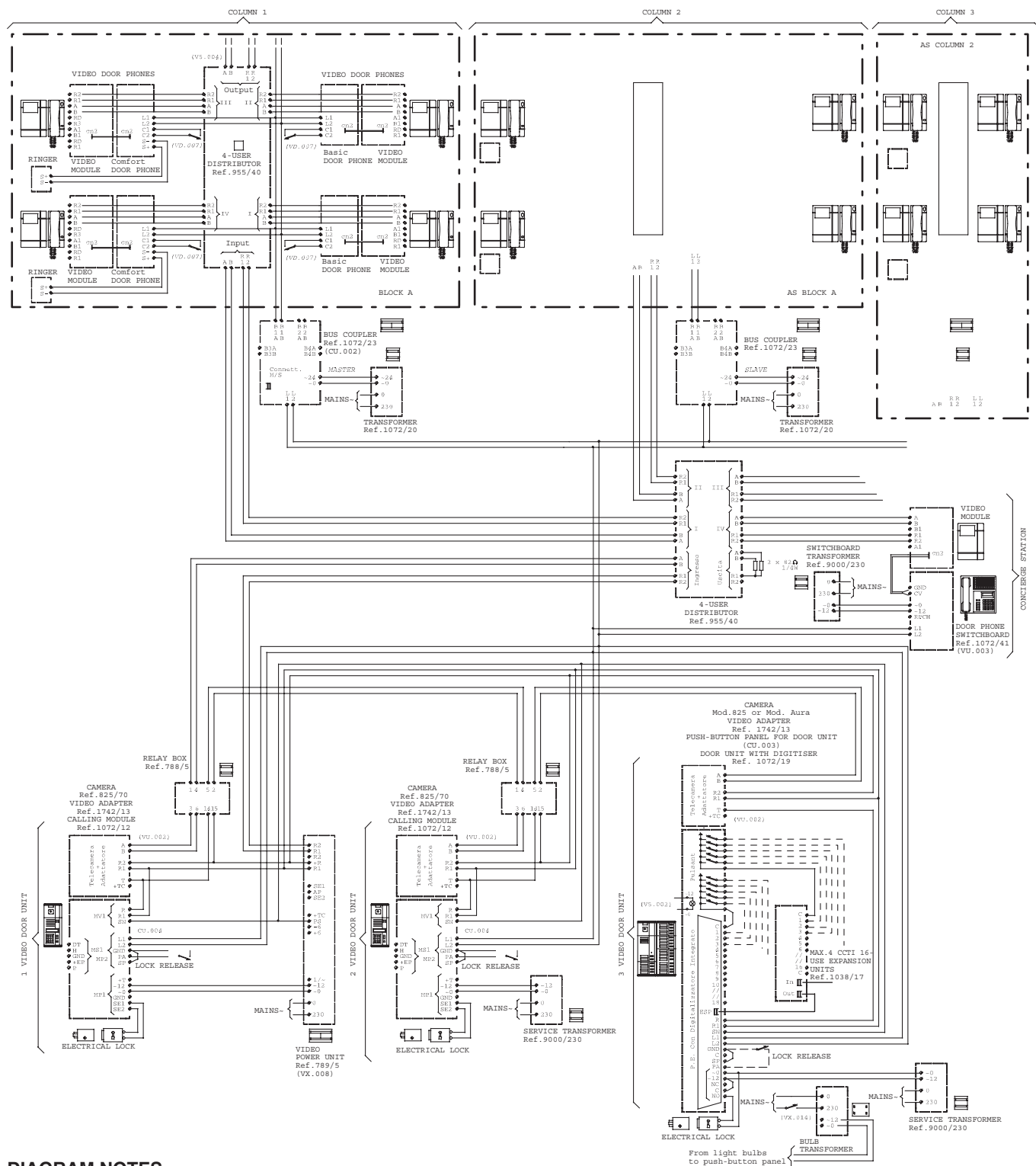
SC124-0079



## DIAGRAM NOTES

CU.005  
VD.007

SV124-0135B



## DIAGRAM NOTES

- CU.001
- CU.002
- CU.003
- CU.004
- VU.001
- VU.002
- VU.003
- VD.007
- V5.002
- V5.004
- VX.008
- VX.014

**SV124-0133****DEVICES**

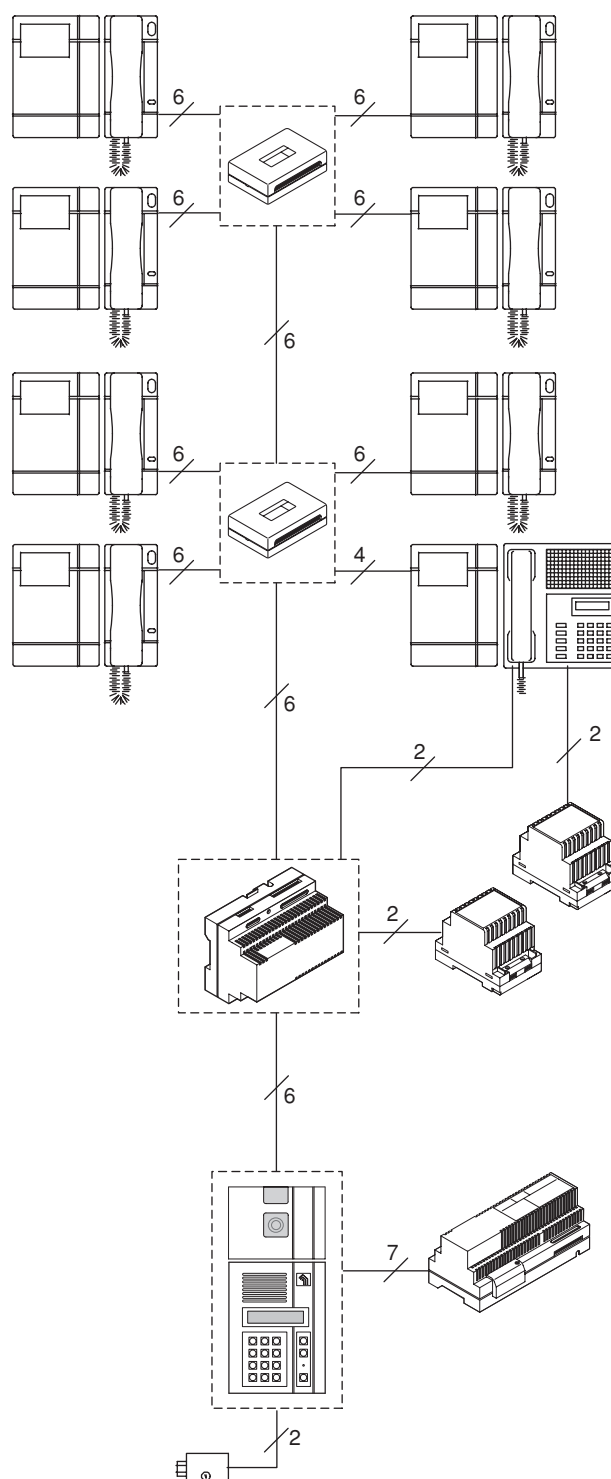
n. 50 (*)	Basic door phones	<b>Ref. 1172/31</b>
	Comfort door phones	<b>Ref. 1172/32</b>
(*)	(Include all door phones connected in parallel to the count)	
n. X	Table mounting kit	<b>Ref. 1132/50</b>
n. X	Supplementary rings	<b>Ref. 1072/59</b>

**N.B.** The supplementary door phone can only be used with comfort door phones. Ref. 1172/32 or concierge model Ref. 1172/33.

n. 51	Video modules 4" Scaitel	<b>Ref. 1732/1</b>
	+ Bibus system brackets	<b>Ref. 1732/956</b>
n. X	Table mounting kit	<b>Ref. 1732/56</b>
n. 13	Distributors for 5-wire systems	<b>Ref. 955/40</b>
n. 1	Door phone switchboard	<b>Ref. 1072/41</b>
n. 1	Door phone switchboard	<b>Ref. 9000/230</b>
n. 1	Bus coupler	<b>Ref. 1072/23</b>
n. 1	Column transformer	<b>Ref. 1072/20</b>
n. 1	Calling module	<b>Ref. 1072/12</b>
n. 1	Camera module for Kombi push-button panel	<b>Ref. 825/70</b>
n. 1	Adapter for camera	<b>Ref. 1742/13</b>
n. 1	Video power unit	<b>Ref. 789/5</b>

**DIAGRAM NOTES**

CU.001  
CU.002  
CU.004  
VU.001  
VU.002  
VU.003  
VD.007  
VX.008





**SV124-0134B****DEVICES**

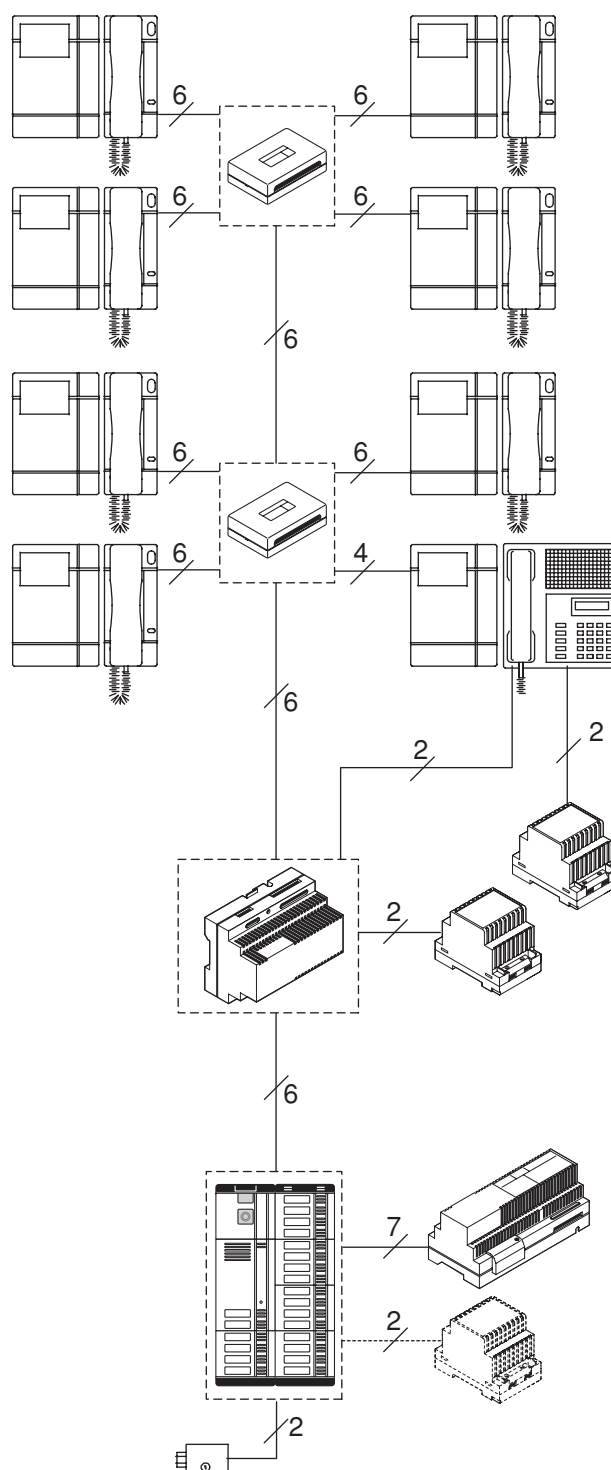
n. 50 (*)	Basic door phones	<b>Ref. 1172/31</b>
	Comfort door phones	<b>Ref. 1172/32</b>
(*)	(Include all door phones connected in parallel to the count)	
n. X	Table mounting kit	<b>Ref. 1132/50</b>
n. X	Supplementary rings	<b>Ref. 1072/59</b>

**N.B.** The supplementary door phone can only be used with comfort door phones. Ref. 1172/32 or concierge model Ref. 1172/33.

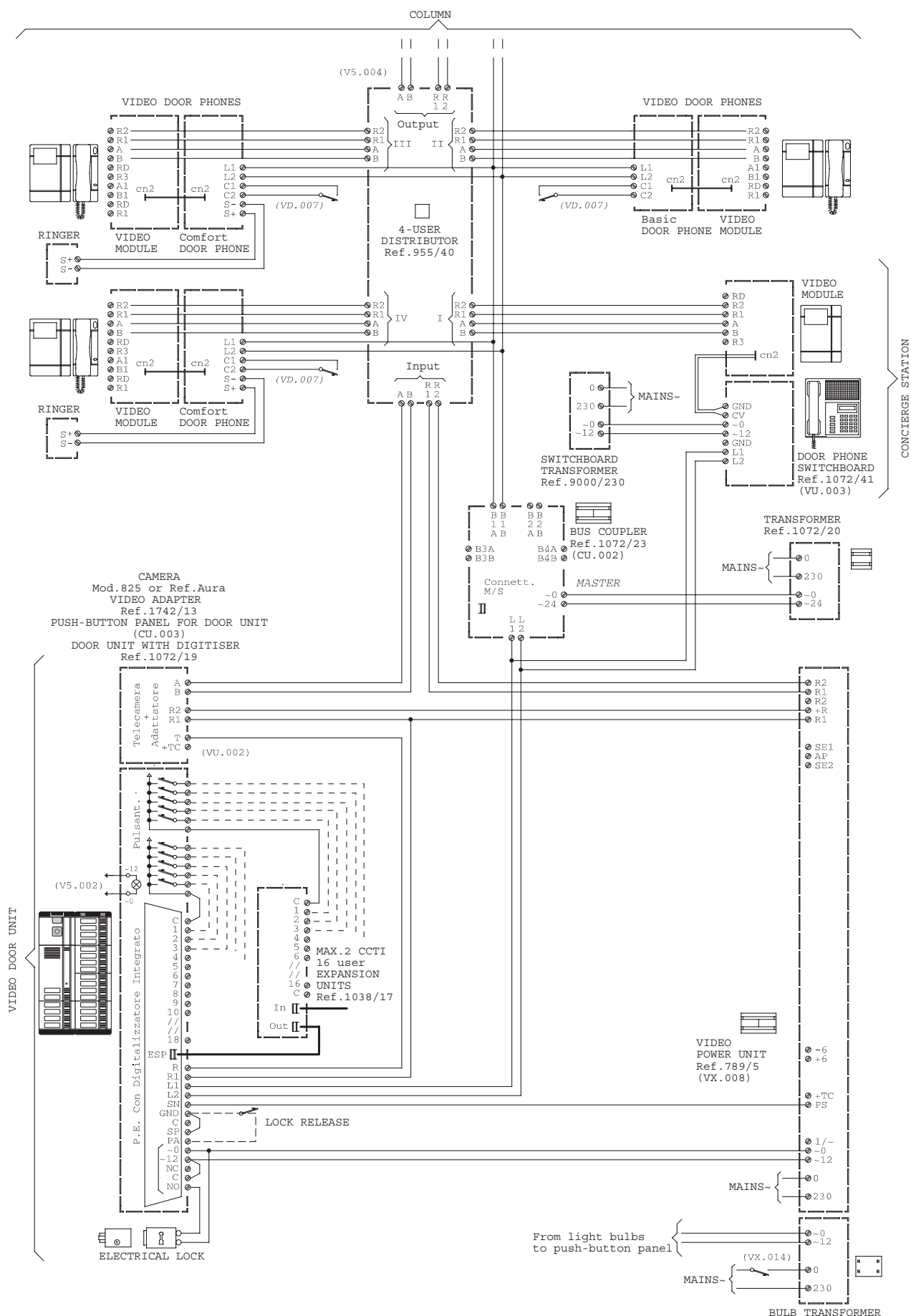
n. 51	Video modules 4" Scaitel	<b>Ref. 1732/1</b>
	+ Bibus system brackets	<b>Ref. 1732/956</b>
n. X	Table mounting kit	<b>Ref. 1732/56</b>
n. 13	Distributors for 5-wire systems	<b>Ref. 955/40</b>
n. 1	Door phone switchboard	<b>Ref. 1072/41</b>
n. 1	Door phone switchboard	<b>Ref. 9000/230</b>
n. 1	Bus coupler	<b>Ref. 1072/23</b>
n. 1	Column transformer	<b>Ref. 1072/20</b>
n. 1	Camera module for Kombi push-button panel	<b>Ref. 825/70</b>
n. 1	Adapter for camera	<b>Ref. 1742/13</b>
n. 1	Kombi push-button panel	<b>Mod. 825</b>
n. 1	Door unit with digitiser	<b>Ref. 1072/19</b>
n. x	16-user expansion module	<b>Ref. 1038/17</b>
n. 1	Video power unit	<b>Ref. 789/5</b>
n. 1	Push-button panel light bulb transformer	<b>Ref. 9000/230</b>

**DIAGRAM NOTES**

CU.001  
CU.002  
CU.003  
VU.001  
VU.002  
VU.003  
VD.007  
V5.002  
V5.004  
VX.008  
VX.014



**SV124-0134B**



urmet  
DOMUS

The columns are structured as follows: 1) video door phones only; 2) video door phones and secondary VPE; 3) video door phones with secondary door unit.

[illegible]

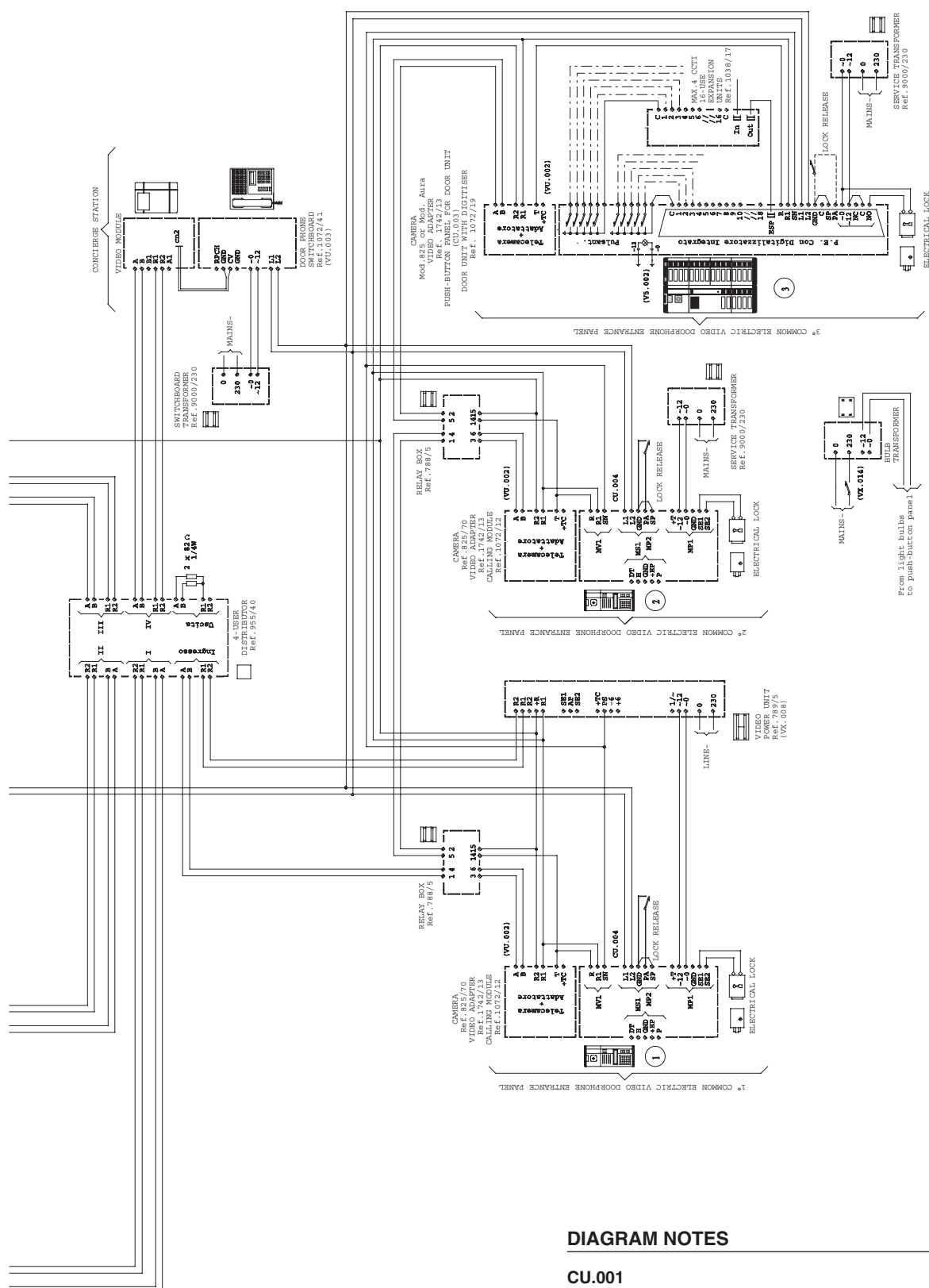


### CONNECTION OF 3 VIDEO DOOR PHONE COLUMNS TO 1 DOOR PHONE SWITCHBOARD AND 3 MAIN VIDEO DOOR UNITS (VPE)

The columns are structured as follows: 1) video door phones only; 2) video door phones and secondary VPE; 3) video door phones with secondary door unit.

y **BiBus** II ED.

SV124-0137B



### DIAGRAM NOTES

CU.001  
CU.002  
CU.003  
CU.004  
VU.001  
VU.002  
VU.003  
VD.007  
V5.002  
V5.004  
VX.008  
VX.014

**SV124-0136**
**DEVICES**

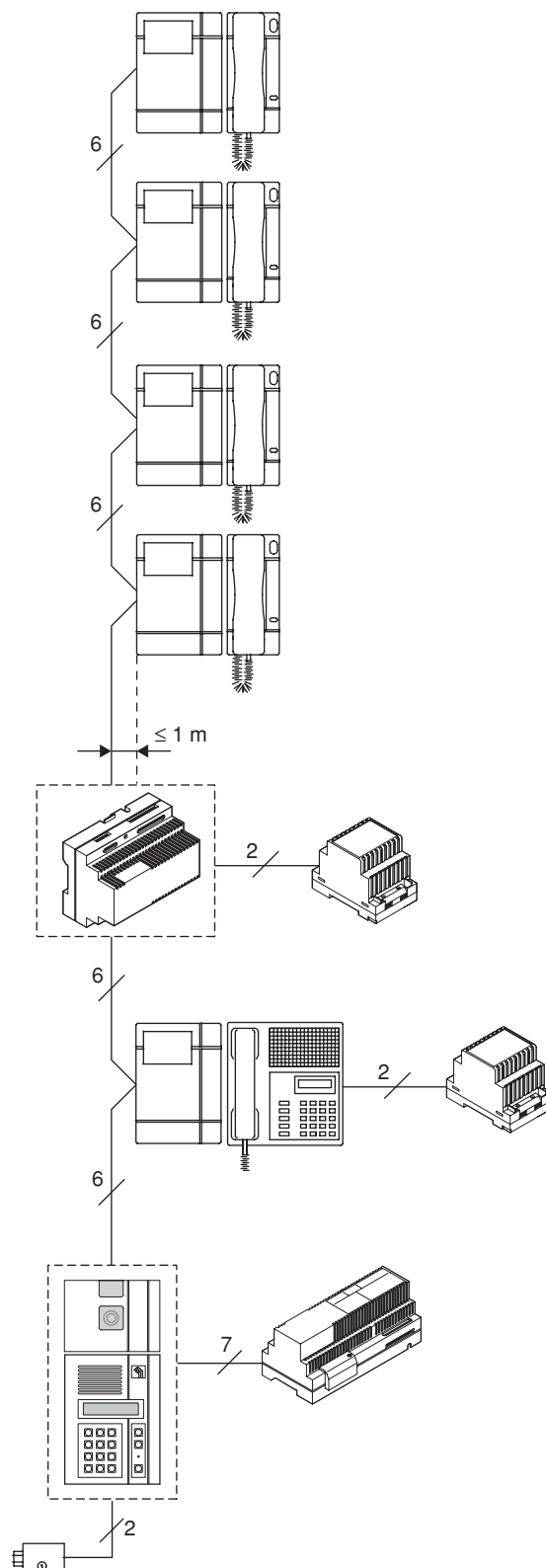
n. 50 (*)	Basic door phones	<b>Ref. 1172/31</b>
	Comfort door phones	<b>Ref. 1172/32</b>
(*)	(Include all door phones connected in parallel to the count)	
n. X	Table mounting kit	<b>Ref. 1132/50</b>
n. X	Supplementary rings	<b>Ref. 1072/59</b>

**N.B.** The supplementary door phone can only be used with comfort door phones. Ref. 1172/32 or concierge model Ref. 1172/33.

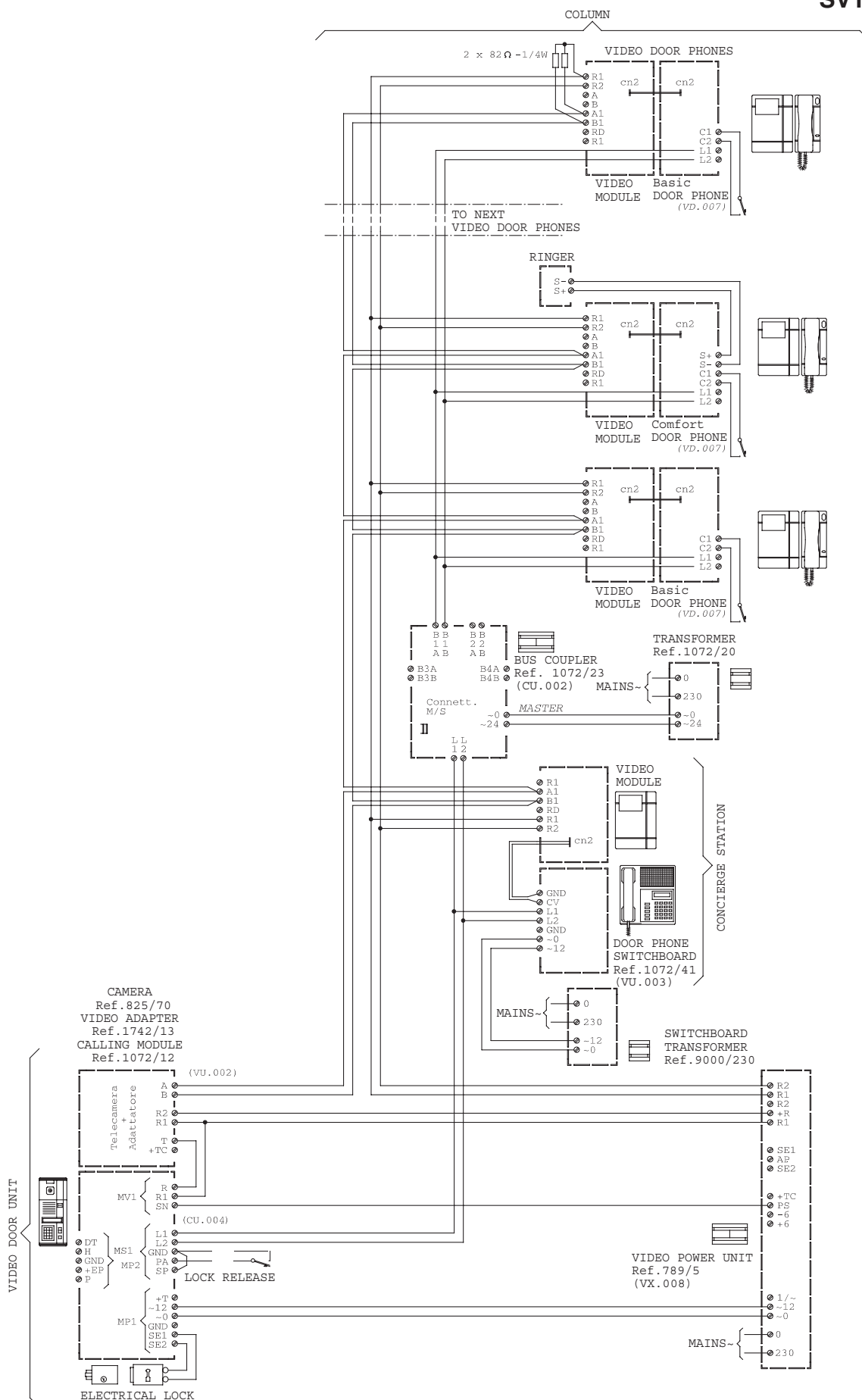
n. 51	Video modules 4" Scaitel	<b>Ref. 1732/1</b>
	+ Bibus system brackets	<b>Ref. 1732/956</b>
n. X	Table mounting kit	<b>Ref. 1732/56</b>
n. 1	Door phone switchboard	<b>Ref. 1072/41</b>
n. 1	Door phone switchboard	<b>Ref. 9000/230</b>
n. 3	Bus coupler	<b>Ref. 1072/23</b>
n. 3	Column transformer	<b>Ref. 1072/20</b>
n. 1	Calling module	<b>Ref. 1072/12</b>
n. 1	Camera module for Kombi push-button panel	<b>Ref. 825/70</b>
n. 1	Adapter for camera	<b>Ref. 1742/13</b>
n. 1	Video power unit	<b>Ref. 789/5</b>

**DIAGRAM NOTES**

CU.001  
CU.002  
CU.004  
VU.001  
VU.002  
VU.003  
VD.007  
VX.008



SV124-0136







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CERTIFICATO n. **9110.URMD**  
CERTIFICATE No

SI CERTIFICA CHE IL SISTEMA QUALITÀ DI  
WE HEREBY CERTIFY THAT THE QUALITY SYSTEM OPERATED BY

**URMET DOMUS S.p.A.**

UNITÀ OPERATIVE  
OPERATIVE UNITS

Via Bologna, 188/c - 10154 TORINO

È CONFORME ALLA NORMA **UNI EN ISO 9001**  
IS IN COMPLIANCE WITH THE STANDARD

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CONCERNING THE FOLLOWING KINDS OF PRODUCTS - PROCESSES - SERVICES

**Progettazione, sviluppo e produzione di sistemi di  
citofonia, videocitofonia, sicurezza e telefonia**  
*Design, development and production of door entryphone systems,  
video door entryphone systems,  
security systems and telephone systems*

IL PRESENTE CERTIFICATO È SOGGETTO AL RISPETTO DEL REGOLAMENTO  
PER LA CERTIFICAZIONE DEI SISTEMI QUALITÀ DELLE AZIENDE  
THE USE AND THE VALIDITY OF THIS CERTIFICATE SHALL SATISFY THE REQUIREMENTS  
OF THE RULES FOR THE CERTIFICATION OF COMPANY QUALITY SYSTEMS

Prima emissione  
First issue

**30 Novembre 1995**

Emissione corrente  
Current issue

**24 Marzo 1998**

**IMQ** - VIA QUINTILIANO, 43 - 20138 MILANO



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